

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UT 10061
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR ARCO Oil and Gas Company, A Division of Atlantic Richfield Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 5540, Denver, Colorado 80217		8. FARM OR LEASE NAME / Well Name Antimony Bench Prospect
4. LOCATION OF WELL (Report location clearly and in accordance with any requirements*) At surface 725' FSL, 505' FWL At proposed prod. zone Approximately the same		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1.5 miles north of Antimony, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 725'		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 3-31S-2W
16. NO. OF ACRES IN LEASE 736.49		12. COUNTY OR PARISH Garfield
17. NO. OF ACRES ASSIGNED TO THIS WELL -----		13. STATE Utah
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		19. PROPOSED DEPTH 4750'
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* June 1, 1983
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6380' GR		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	10-3/4" New	40.5	550'	550 sx Cl "B" w/additives
7-7/8"	5-1/2"	15.5	4750'	750 sx Pozmix 50/50 w/additives

Propose to drill well to 4750' to test the Elephant Canyon and Redwall formations as described in the attachments.

Attachments: 1. Drilling Plan (10 Point Plan) with Exhibit "AA"
2. Certified Location Plat - Exhibit "A" with attachments

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED W. A. Walch TITLE Operations Manager DATE 4/20/83
(This space for Federal or State office use)

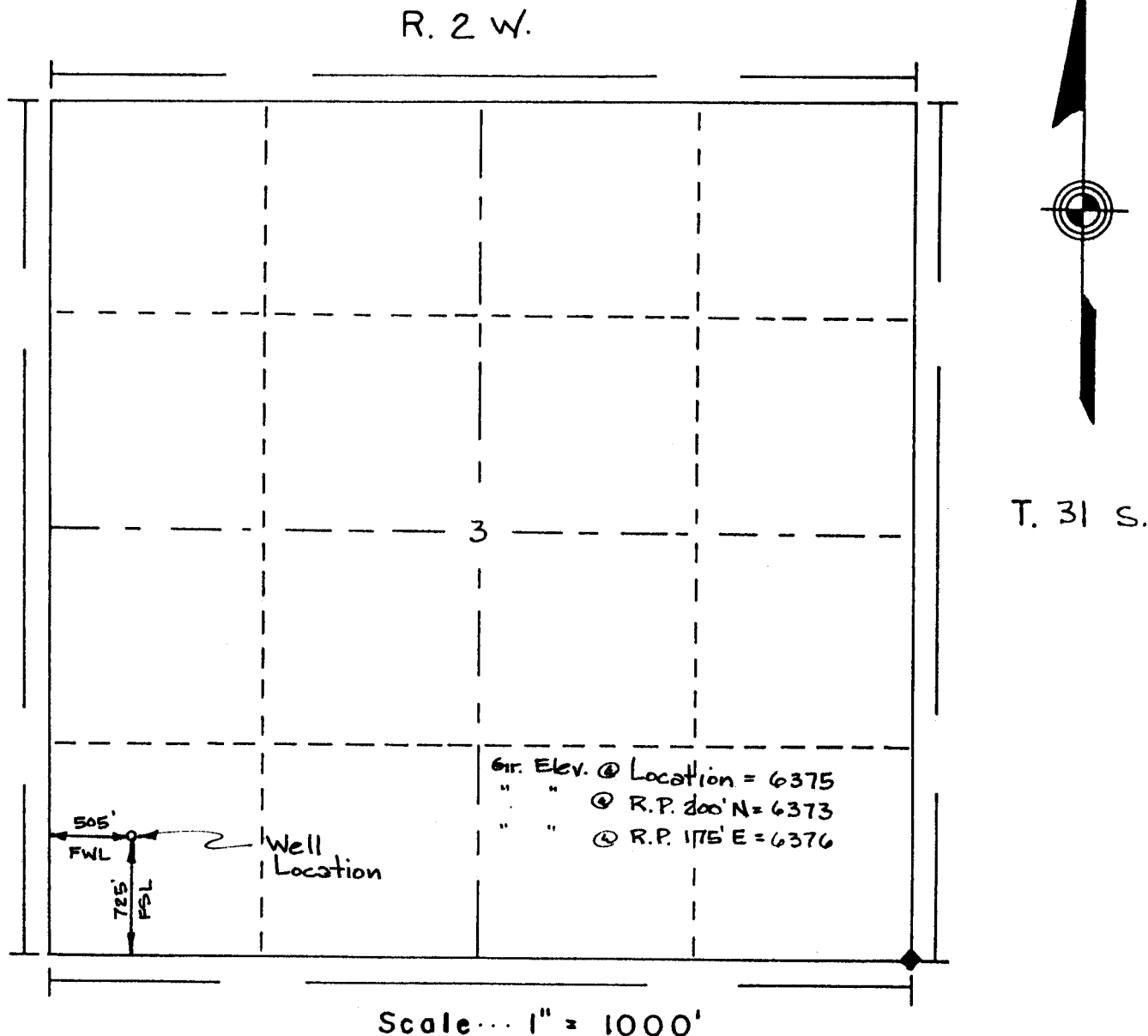
PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 4-26-83
BY: John A. Walch



Powers Elevation of Denver, Colorado
has in accordance with a request from SUSANNE BARNES
for ARCO OIL & GAS
determined the location of ANTIMONY BENCH PROSPECT
to be 725' FSL & 505' FWL of Section 3 Township 31 South
Range 2 West of the SALT LAKE Meridian
GARFIELD County, UTAH

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of

Date: APRIL 16, 1983

T. Nelson
Licensed Land Surveyor No. 2711
State of UTAH

TEN POINT DRILLING PLAN

Attach to APD Form 9-331-C
ARCO Oil and Gas Company
Antimony Bench Prospect #1
Section 3-31S-2W
Garfield County, Utah

1. Surface Geological Formation: Volcanics

2. Estimated Tops of Geological Markers:

Sinbad	- 370'	Elephant Canyon	- 2330'
Woodside	- 610'	Redwall	- 3230'
Kaibab	- 655'	Ouray	- 4250'
Toroweap	- 905'	Elbert	- 4480'
Cedar Mesa	- 1505'	Cambrian	- 4690'

3. Estimated Tops of Possible Water, Oil, Gas or Minerals:

Volcanics	- 300'	(water)
Elephant Canyon	- 2330'	(oil/gas)
Redwall	- 3330'	(oil/gas)

4. Proposed Casing Program:

<u>Casing</u>	<u>Hole Size</u>	<u>Interval</u>	<u>Section Length</u>	<u>Size OD</u>	<u>Weight Grade and Joint</u>	<u>New Used</u>
Conductor	Preset	0- 100'	100'	16"	65# P.E.	New
Surface	14-3/4"	0- 550'	550'	10-3/4"	40.5#,K-55, STC	New
Production	7-7/8"	0-4750'	4750'	5-1/2"	15.5#,K-55, STC	New

Cement Program:

Conductor	Cemented to surface with Redimix.
Surface	550 sx Class "B" w/additives, circulate cement to surface.
Production	750 sx Pozmix 50/50 w/additives TOC to 2100'*

*If any upper zones have potential for flow, cement will be brought up above these zones.

5. Minimum Specifications for Pressure Control:

Exhibit "AA" is a schematic diagram of the blowout preventer equipment. The annular preventer will be tested to 70% of its working pressure rating and the rams will be hydraulically tested to full working pressure rating or 70% casing yield after nipping up and after any use under pressure. Pipe rams and annular preventer will be operationally checked each 24 hour period, as will blind rams each time pipe is pulled out of hole. All checks of BOP equipment will be noted on daily drilling reports. Accessories to BOP equipment will include an upper and lower kelly cock, a floor safety valve, a drill string BOP, and a choke manifold with pressure rating equivalent to the BOP stack.

6. Type and Characteristic of Proposed Drilling Fluids:

Adequate stocks of sorptive agents will be maintained onsite to handle possible spills of fuel and oil on the surface. The mud system will be gel-chemical, with adequate stocks of weighting material onsite, to be added if required to control over-pressured formation. H₂S scavenging materials will be used in the mud to neutralize any H₂S encountered.

<u>Depth</u>	<u>Type</u>	<u>Weight #/gal.</u>	<u>Visc. sec/qt.</u>	<u>Fluid Loss cc</u>
0- 550'	Fresh water gel-lime spud mud	8.6-8.8	36-40	10-15
550-4750'	Fresh water w/gel sweeps to clean the hole	8.3	--	--

7. Auxiliary Equipment:

- A kelly cock will be kept in the string.
- A float will not be used at the bit.
- A mud logging unit will be monitoring the system from surface to TD.
- A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.
- A pit level monitor will be used.

8. Testing, Logging and Coring Programs:

- Anticipate six (6) 60' conventional cores in the 1) Mesozoic or Paleozoic rocks, 2) Kaibab, 3) Elephant Canyon, 4) Redwall, 5) Urday and 6) Elbert formations.

- b) Anticipate six (6) open hole DSTs; one in each core interval at discretion of the wellsite geologist.
- c) The open hole logging program will consist of the following:

DLL/MSFL	- TD - 550'
FDC/CNL/GR	- TD - 550'
BHCS/GR	- TD - 550'
HDT (4 arm)	- TD - 550'
Acoustic Wave Form & Amplitude Recording	- TD - 550'
Velocity Survey	- TD - 550'

9. Anticipated Abnormal Temperatures, Pressures or Hazards:

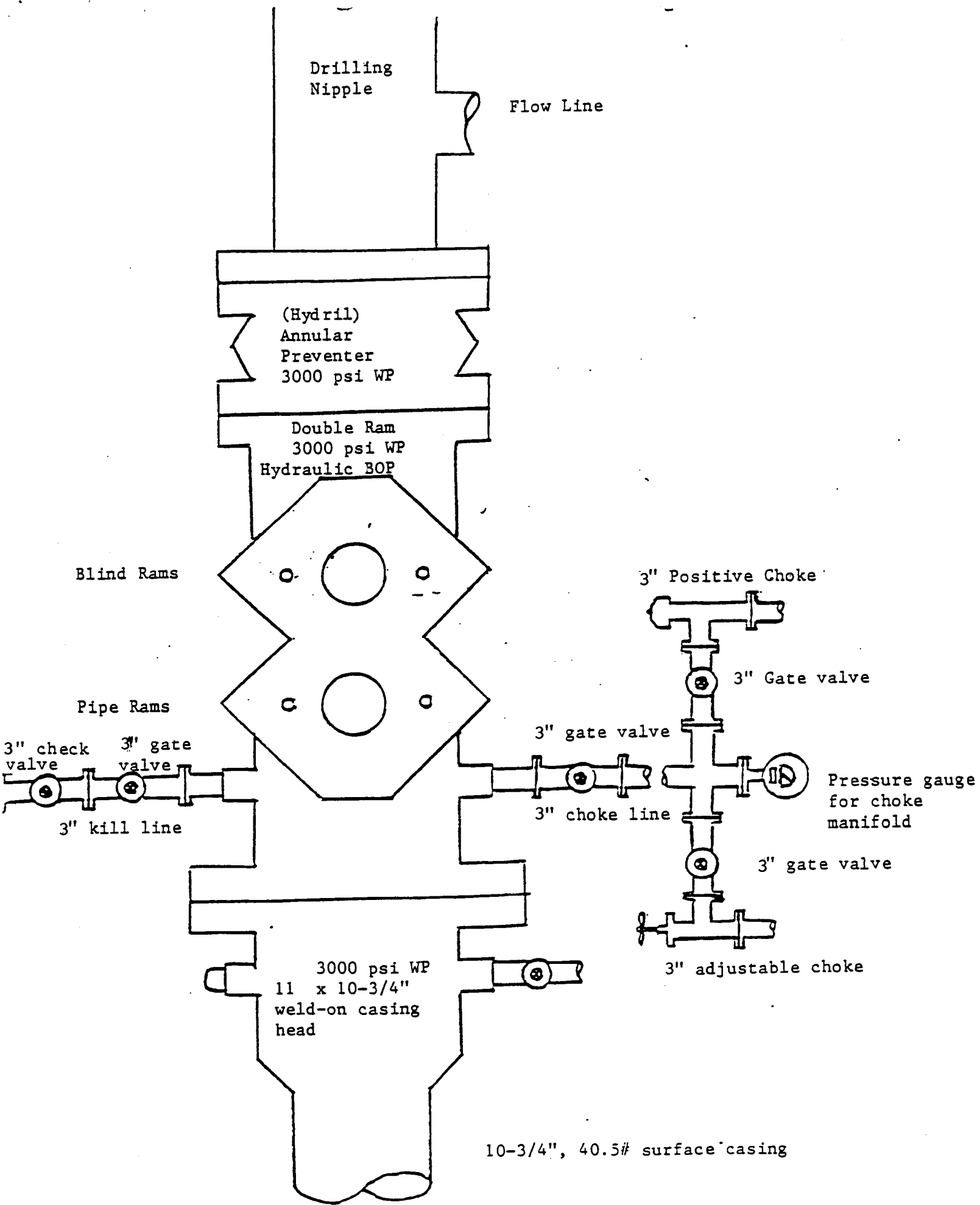
No abnormal pressures or temperature have been noted or reported on wells drilling in the area nor at depths anticipated in this well.

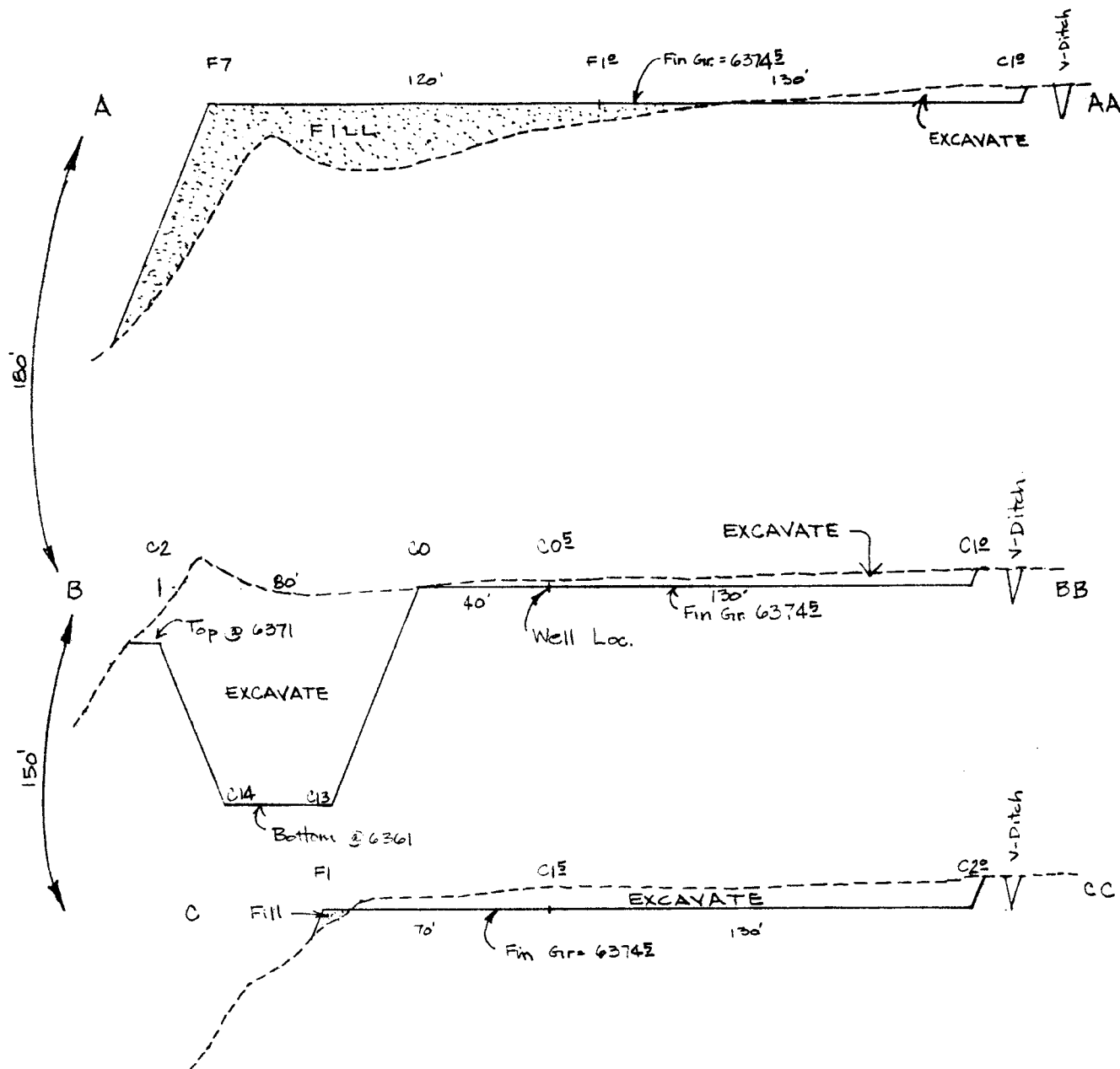
Possible H₂S may be encountered in the Kaibab formation. An H₂S detection and alarm system along with personnel life-support systems will be maintained on the rig at all times below 400'. An H₂S contingency plan is currently being prepared and will be submitted via a Sundry Notice upon completion.

10. Anticipated Starting Date and Duration of Operations:

Pending approval of Application and requirements, construction of the proposed location will begin as soon as possible, requiring approximately 7-14 days to complete.

We anticipate spudding the well once the location has been prepared and a rig has moved on location. A total depth of 4750' should be reached within 54 days after spudding the well. A completion rig will then move on location for an estimated 15 days for evaluation and completion.





---- Existing ground
 ——— Proposed grade

C or F is Cut or Fill from existing ground to finish grade.

Scales: 1"=50' Horia.
 1"=10' Vert.

All side slopes @ 2:1

± 1,300 yd³ Fill

± 4,400 yd³ Cut

ARCO O&G.

ANTIMONY BENCH PROSPECT
 SW-SW Sec 3-31S-2W
 GARFIELD Co., UTAH

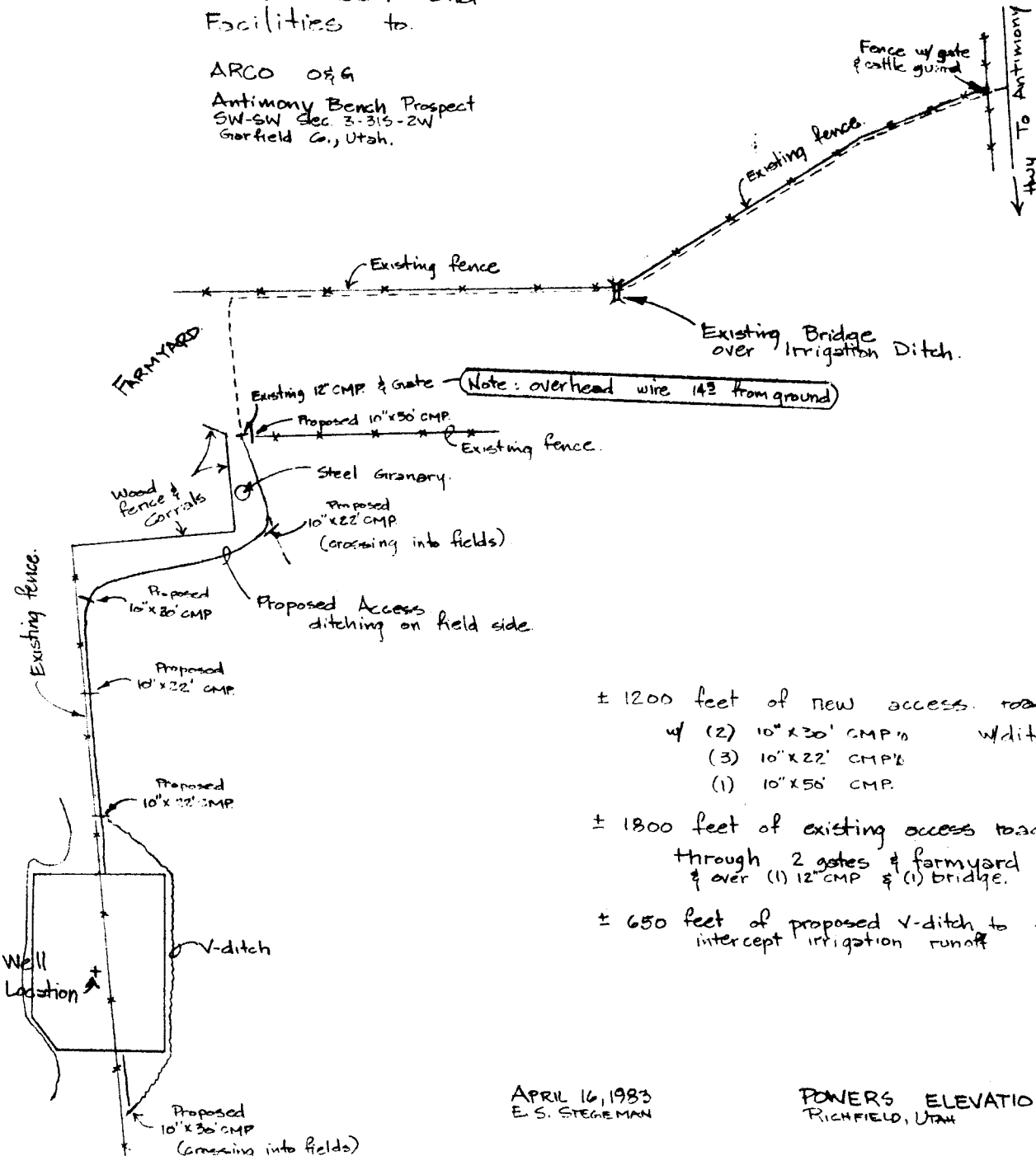
APRIL 16, 1983
 E.S.S.

POWERS ELEVATION CO.
 RICHFIELD, UTAH

Access Road and Facilities to

ARCO O&G

Antimony Bench Prospect
SW-SW Sec 3-315-2W
Garfield Co., Utah.

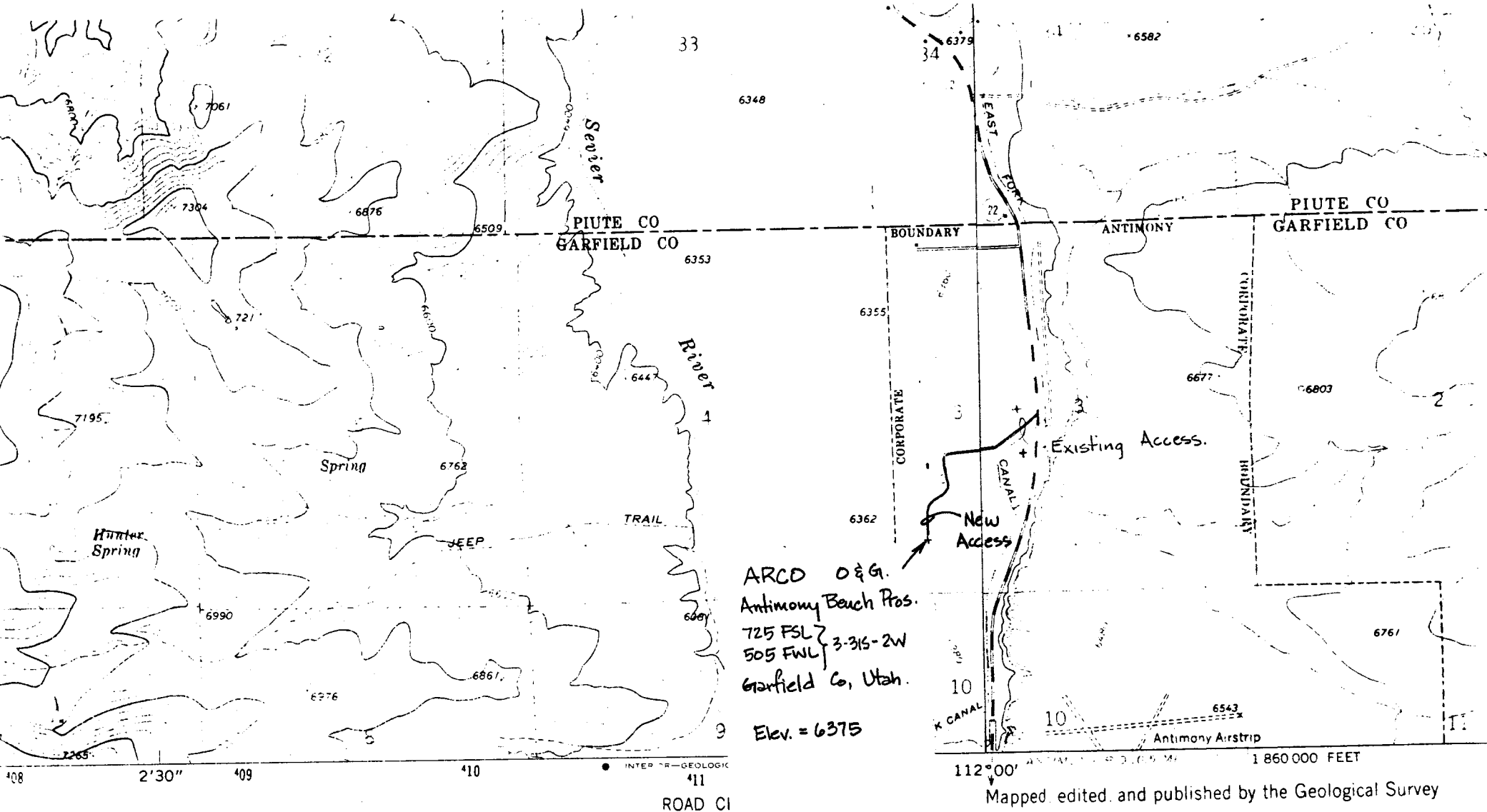


NOTE: Location of Access Road & CMP's as staked in field may be altered during construction to accommodate grading & alignment. Consult w/ property owner if necessary.

- ± 1200 feet of new access road —
 - w/ (2) 10'x30' CMP's w/ditch on field side
 - (3) 10'x22' CMP's
 - (1) 10'x50' CMP
- ± 1800 feet of existing access road ----
 - through 2 gates & farmyard
 - & over (1) 12' CMP & (1) bridge.
- ± 650 feet of proposed V-ditch to intercept irrigation runoff

APRIL 16, 1983
E. S. STEGEMAN

POWERS ELEVATION CO.
RICHFIELD, UTAH



Primary highway,
hard surface

Secondary highway,
hard surface

Light-duty road, hard or
improved surface

Unimproved road

Interstate Route

U. S. Route

State Route

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1967. Field checked 1970

Polyconic projection. 1927 North American datum
10,000-foot grid based on Utah coordinate system,
south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

PHONOLITE HILL, UTAH

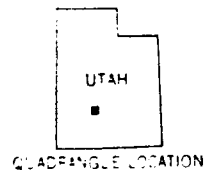
N3807.5—W11200/7.5

Fine red dashed lines indicate selected fence lines

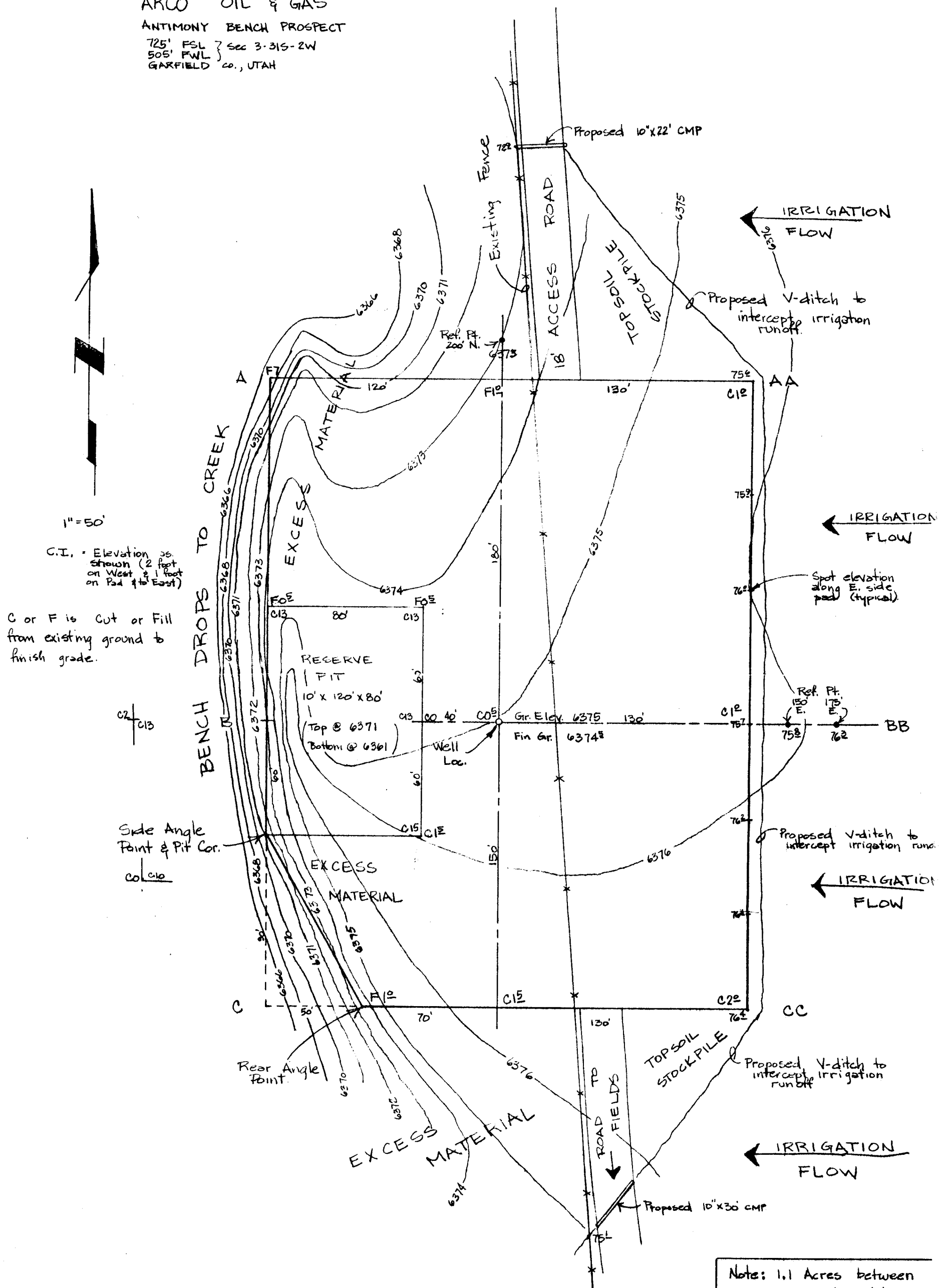
1971

AMS 3580 II NE—SERIES V897

VIRGINIA 22092
QUEST



725' FSL } Sec 3-315-2W
505' FWL }
GARFIELD CO., UTAH



Note: 1.1 Acres between
proposed V-ditch
and existing fence.

APRIL 16, 1983
E. S. STEGEMAN

POWERS ELEVATION CO.
RICHFIELD, UTAH

OPERATOR ARCO OIL & GAS COMPANY DATE 4-26-83

WELL NAME ANTIMONY RENCH PROSPECT #1

SEC SUSW 3 T 31S R 2W COUNTY GARFIELD

43-017-30118
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:



INDEX



HL



NID



PI



MAP



PROCESSING COMMENTS:

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT

☐ c-3-a _____ CAUSE NO. & DATE



c-3-b



c-3-c

SPECIAL LANGUAGE:

*conditional upon
approval pending receipt of an
acceptable H₂S contingency plan.*

☒

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒

AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒

VERIFY ADEQUATE AND PROPER BONDING

~~FED~~ blanket Fee
bond flow in
6-28-83

☒

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

Yours

☒

APPLY SPACING CONSIDERATION

☐

ORDER

NO

☐

UNIT

NO

☒

c-3-b

☐

c-3-c

☒

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

☒

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

April 26, 1983

Arco Oil & Gas Company
A Division of Atlantic Richfield Company
P. O. Box 5540
Denver, Colorado 80217

RE: Well No. Antimony Bench Prospect #1
SWSW Sec. 3, T.31S, R.2W
725 FSL, 505 FWL
Garfield County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Approval conditional upon acceptable H₂S contingency plan.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-017-30118.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Oil & Gas Operations
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☒ gas well ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 725' FSL & 505' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

☐
☐
☐
☐
☐
☐
☐
☐

(other) H₂S Plan

5. LEASE

UT 10061

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME / Well Name
Antimony Bench Prospect

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-31S-2W

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6380' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Enclosed please find a H₂S Contingency Plan for this well, as per Item 9 in the 10 Point Drilling Plan.

RECEIVED
MAY 06 1983

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE Operations Manager DATE 5-4-83

W.A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 725' FSL & 505' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) CHANGE IN TOTAL DEPTH

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The total proposed depth of this well is changed from 4750' to 8000'.

The casing program is changed as follows:

14-3/4" casing will be set @ 1300' with approximately 1300 sx cement
7-7/8" casing will be set @ 8000' with approximately 1500 sx cement

All other items remain as originally submitted on APD dated 4-20-83.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

Subsurface Safety Valve: Manu. and Type

DATE: 5-13-83 Set @ 1300' Ft.

18. I hereby certify that the foregoing is true and correct

BY: [Signature]

SIGNED W.A. Walther, Jr. TITLE Operations Manager DATE 5-13-83

W.A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☒ well other

2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 725' FSL & 505' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) CHANGE TO ORIGINAL APD

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

** The lease on this APD is changed to read FEE.

** The Farm or Lease Name is changed to read Allen FEE.

All other items remain as originally submitted and approved.

5. LEASE
FEE **

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Allen FEE **

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-31S-2W

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

14. API NO.
43-017-30118

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6380' GR

*change well name from
Anthony Bonch Prospect #1*

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED WA Walther Jr. TITLE Operations Manager DATE 6-27-83
W.A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Bill Walther
303 293-7031

Type & lease was in error,
and bond is required for
free lease. Bill will
get a blanket bond or
CD to this office ASAP,
but they plan to spend
6-29, even if the
bond has not yet
been processed.

Bond rec'd
6-28-93

Yoman
6-27

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: ARCO OIL & GAS COMPANY

WELL NAME: ANTIMONY BENCH PROSPECT # 1

SECTION SWSW 3 TOWNSHIP 31S RANGE 2W COUNTY GARFIELD

DRILLING CONTRACTOR OLSON

RIG # 2

SPODDED: DATE 6-28-83

TIME 4:30 AM

How ROTARY

DRILLING WILL COMMENCE

REPORTED BY PETE TIBBETTS

TELEPHONE # 303-293-7064

DATE 6-30-83 SIGNED NCS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. ☒ oil ☒ gas well ☒ other
2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 725' FSL & 505' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Approx the same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) N.O. SPUD ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
FEE6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA7. UNIT AGREEMENT NAME
NA8. FARM OR LEASE NAME
Allen Fee9. WELL NO.
110. FIELD OR WILDCAT NAME
Wildcat11. SEC., T., R., M., OR BLK. AND SURVEY OR
AREA
3-31S-2W12. COUNTY OR PARISH Garfield 13. STATE
Utah14. API NO.
43-017-3011815. ELEVATIONS (SHOW DF, KDB, AND WD)
6380' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MI & RU Olsen Rig #2. SPUD 14-3/4" conductor hole @ 0430 hrs 6-28-83. Drilled to 140'. Opened 14-3/4" hole to 20" from 0 to 110'. RU & ran 3 jts 16", 65#, H-40, PE casing and landed @ 108' KB. Cemented with 165 sx Class "B" with 2% CaCl₂ + 3% salt + 1/4#/sx flocele. CIP @ 1245 hrs 6-30-83. Displace with water. WOC and check for TOC outside 16" conductor (left 20' cement inside 16"), cement @ 45' KB (30' GL) outside 16". Cement down 1" tubing @ 45' KB with 100 sx Class "B" cement with 2% CaCl₂. Top job complete @ 1500 hrs 6-30-83. Cut off casing. NU hydril, wouldn't hold. Had to re-cement. Pumped 100 sx Class "B" cement with 2% CaCl₂ and displaced with 16 BW. Squeezed @ 500 psi. Held 500 psi for 30 mins, hydril held OK. WOC. Casing held 500 psi. Tagged cement @ 64'. Drilled cement to 140'. Drilling formation @ 1830 hrs 7-2-83.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE Operations Manager DATE 7-6-83
W.A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

RECEIVED

AUG 19 1983

SUNDRY NOTICES AND REPORTS ON WELL DIVISION OF GAS & MINING

(Do not use this form for proposals to drill or to deepen or plug back to a gas or oil reservoir. Use Form 9-331-C for such proposals.)

~~CONFIDENTIAL~~

well ☒ gas well ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 725' FSL & 505' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT

☐
☐
☐
☐
☐
☐
☐
☐

(other) N.O. SETTING SURFACE AND PROTECTIVE CASING

5. LEASE
FREE
INDIAN, ALLOTTEE OR TRIBE NAME
NA

6. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Allen Fee

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

3-31S-2W

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

14. API NO.
43-107-30118

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6380' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled ahead to 1493'. Logged. Circled and cond hole. RU and ran 36 jts 10-3/4", 40.5#, K-55, STC casing with FC and landed @ 1484' KB (KB = 14.31'). Cemented as follows: pumped 50 bbls water, 510 sx 50/50 poz, 4% gel, 1/4#/sx D-29, 3% CaCl₂ (13.4 ppg); followed by 810 sx 75/25 poz & 2% CaCl₂ (15.4 ppg). Displaced with 143 bbls water. Bumped plug with 1500 psi - float held. Full returns, 80 bbls cmt to surface. Tested BOPE blind and pipe rams - OK; tested hydril - OK. Tag TOC @ 1431'. Tested casing - OK. Drilled cement. Drilled ahead.

Drilled to 2750'. RU and ran 67 jts 8-5/8" 32#, K-55, STC casing and landed @ 2745'. Cemented with 150 sx lite and 150 sx Class "C" with 2% CaCl₂ and 1/4#/sx celloflake. Ran CBL. Tested casing and blind.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft. (OVER)

18. I hereby certify that the foregoing is true and correct

SIGNED W A Walther Jr. TITLE Operations Manager DATE 8-17-83
W A Walther, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ARCO Oil and Gas Company
Rocky Mountain District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000



September 15, 1983

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Monthly Report of Operations
Well No. 1 (ALLEN FEE)
SW SW Sec. 3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate, is the Monthly Report of Operations
for the month of August, 1983, on
the subject well.

This well is being drilled as a "Tight Hole" and we request
that this information be held CONFIDENTIAL.

This well was spudded on June 28, 1983.

Very truly yours,

B. R. Still, Supervisor
Operations Information Group

jz

Attachment

State Lease No.
Federal Lease No.
Indian Lease No.
Fee & Pat. **Fee**

TIGHT HOLE!!

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Garfield FIELD/LEASE Allen Fee

The following is a correct report of operations and production (including drilling and producing wells) for the month of: August, 19 83. ABCO Oil and Gas Co., Div. of

Agent's Address P.O. Box 5540
Denver, Co. 80217

Phone No. (303) 293-7234

Company ARCO Oil and Gas Co., Div. of
Atlantic Richfield Company
Signed B. R. Still
Title Supvr., Opns. Info. Group

Sec. and of 4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
W SW ec. 3	31S	2W	1	0	0	0	0	0	0	Well spudded, 6-28-83. (See Attached Drilling Report) <u>TIGHT HOLE!! PLEASE KEEP CONFIDENTIAL.</u>

GAS: (MCF)

Sold	0
Not Sold/Leased	0
On/Off Lease	0

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month	0
Produced during month	0
Sold during month	0
Unavoidably lost	0
Reason:	-
On hand at end of month	0

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED**

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Report all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Page 1 of 3

Prop Code: EQ-20031

AFE #R-27228

Rocky Mountain	County or Parish Garfield	State Utah
Wildcat	Lease or Unit ALLEN FEE (Antimony Bench)	Well no. #1

7/30-8/1/83 2665	Day-34 (0') - CO & cond hole above fish. (10-3/4" @ 1484') MW: 8.3# (aerated) Vis: 26 Attempt to screw into fish @ 2420' - no success. TOH & chg out fshg tools. TIH & plugged string. RU Dialog & attempt to unplug - no success. TOH & CO fsg tools. TIH w/fshg tools, wsh & rm to TOF. Attempt to get over fish - no success. Circ & cond hole. TOH & chg out fshg tools. TIH & wsh to TOF. No success & TOH. MU OS w/wall hook & knuckle jt & TIH. Wsh & rm bridge @ 2240' - hole tite. TOH & LD fshg tools. TIH w/B#4 (RR) to cond hole. Wrkd hole to CO & TOH to unplug bit. TIH & CO & cond hole to 1965'.
8/2/83 2665	Day-35 (0') - CO & cond hole above fish. (10-3/4" @ 1484') MW: 8.3# (aerated) Vis: 26 Pv/Yp: 1/1 Cont'd CO hole above fsh w/lime wtr & air. Hvy LCM bridge @ 2345'. CO to 2360'.
8/3/83 2665	Day-36 (0') - Spt mud over fish. (10-3/4" @ 1484') MW: 8.2# (aerated) Vis: 26 Cont'd CO to TOF @ 2420'. TOH SLM - corr'd depth of CO to 2477'. TIH. Circ & attempt to loc fish. Circ & spt mud.
8/4/83 2665	Day-37 (0') - Inspecting BHA. (10-3/4" @ 1484') MW: 8.3# (aerated) Vis: 26 Spt 250 BM over fsh. TOH. PU fshg tools & TIH. Wrk onto fish & jar free. Chain out of hole & rec'd fsh. LD fshg tools & fsh. TIH w/DCs & inspect BHA.
8/5/83 2665	Day-38 (7-7/8"), 2170' (9-7/8") - Rmg hole to 9-7/8". (10-3/4" @ 1484') MW: 8.4# (aerated) Vis: 26 Fin inspect BHA. PU 9-7/8" bit, chg out BHA. TIH. Rmd 7-7/8" hole to 9-7/8". Lost returns @ 1637'. Rmd thru bridge. Cont'd rmg w/lime wtr & air.
8/6-8/83 2750	Day-41 (85', 0', 0') - TOH & LD BHA. (10-3/4" @ 1484') MW: 8.5# (aerated) Vis: 65 Rmd 7-7/8" hole to 9-7/8" hole to 2750', w/tite hole @ 2259'. Circ & unload hole & drop survey. TOH - SLM. TIH & hit bridge @ 1661'. Wsh & rm thru bridge. TIH & hit bridge @ 1848'. Wsh & CO hole to 2530'. Stuck pipe & lost 100% returns. Wrk stuck pipe & attempt circ w/aerated lime wtr. Wrkd pipe free, wsh & rmd to 2750'. Spt 270 bbls gel-mud. TOH w/B#6. Stuck pipe @ 2617' & wrkd free. TOH & LD BHA. Prep to PU jars & TIH. Survey: 6° @ 2709'.
8/9/83 2750	Day-42 (0') - Circ aerated mud @ 2422'. (10-3/4" @ 1484') MW: 8.5# (aerated) Vis: 33 Pv/Yp: 12/7 TIH, hit bridge @ 2462'. Unsuccessfully attempted to establish circ w/sml amt of returns: lost 1058 BM in 4 hrs. PU to 1904' & circ w/partial returns of WCM. Staged into hole by 3 stds to 2422' & hit bridge.
8/10/83 2750	Day-43 (0') - Circ & cond hole w/aerated mud. (10-3/4" @ 1484') MW: 8.4# Vis: 29 Pv/Yp: 12/6 Wshd & rmd to btm, and circ'g.
8/11/83 2750	Day-44 (0') - NU BOP. (8-5/8" @ 2745') Circ & cond hole & POH. Ran 67 jts 8-5/8", 32#, K-55, STC csg. BJ cmtd w/150 sx Lite + 2% CaCl ₂ + 1/4#/sx Celloflake, foll'd by 150 sx Cl "G" + 2% CaCl ₂ + 1/4#/sx Celloflake w/o returns. WOC f/10 hrs & set slips w/70M# tension.
8/12/83 2800	Day-45 (50') - Prep to POH. (8-5/8" @ 2745') MW: 8.6# Vis: 38 Pv/Yp: 8/6 Fin NU BOPs. Schl ran CNL/CBL/VDL. Press tstd 8-5/8" csg & blind rams to

RCO Oil and Gas Company

Daily Well History—Interim

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Prop Code: EO-20031		AFE #R-27228	
Rocky Mountain	Garfield	Utah	
Wildcat	ALLEN FEE (Antimony Bench)		Well no. #1
8/13-15	2800	Day-48 (0') - Rig repair. (8-5/8" @ 2745')	
		Circ, survey & POH. CO cellar, ND BOPs, NU csg spool & tstd pack-off to 2500 psi. NU BOPs & tstd to 3000 psi, except kill & chk valve. RIH w/bit & BHA to csg shoe, RD floor, LD derrick & repair same. Surveys: 2° @ 2300', 2-3/4° @ 2400', 4-1/2° @ 2500', 5-1/4° @ 2600', 6° @ 2700', 6-1/4° @ 2780'	
8/16/83	2800	Day-49 (0') - Rig repair. CONFIDENTIAL (8-5/8" @ 2745')	
8/17/83	2800	Day-50 (0') - 24 hrs rig repair. (8-5/8" @ 2745')	
8/18/83	2899	Day-51 (99') - Drlg. (8-5/8" @ 2745')	
		Fin repairing derrick leg, RU floor & commenced drlg operation @ 1900 hrs, 8/17/83. Wsh & rm to btm, strtdd drlg & lost circ @ 2873'. Mixed & pmpd 30% LCM & established circ. Drld ahead to PD.	
8/19/83	3270	Day-52 (371') - Drlg. (8-5/8" @ 2745')	
		MW: 8.5# Vis: 54 Pv/Yp: 21/9 Drld 7-7/8" hole to PD. Surveys: 6-1/4° @ 2954' & 3061'.	
8/20-22	3351	Day-55 (81') - WOC on plug #4. (8-5/8" @ 2745')	
		MW: 8.5# Vis: 49 Pv/Yp: 18/9 Drld to 3281' & lost returns. Sptd 250 bbls LCM pill mixed @ 40-50% LCM pill w/o success. Drld to PD w/o returns & POH after freeing stuck pipe. FL in hole @ 1005'. RIH w/OE DP w/plug catcher, sptd 150 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite w/tail @ 3075'. No returns. POH. RIH & tagged TOC @ 3253'. PU w/tail @ 3075', pmpd another 150 sx Thixotropic cmt w/same additive. No returns. RIH w/bit, tagged TOC @ 3248', drld cmt to 3321' where encountered firm cmt w/o returns. Tagged FL @ 915'. Attempted plug #3 w/200 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal w/o success. Attempted plug #4 w/200 sx Thixotropic w/same additive as plug #3. WOC & tagged FL @ 900'.	
8/23/83	56	TD: 3351' (0') - TIH while WOC (8-5/8" @ 2745')	
		MW: 8.5# Vis: 42 Pv/Yp: 14/6 Filled hole w/water & hole stayed full. RIH, tagged TOC @ 2809' & drld firm cmt to 2980'; lost returns. Drld ahead to 3043' w/o returns. POH. RIH w/OE DP w/plug catcher to 2765' & spotted plug #5 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal. Plug sheared by over displacement & POH dry. CIP @ 2400 hrs, 8/22/83.	
8/24/83	57	TD: 3351' (0') - WOC; plug #6. (8-5/8" @ 2745')	
		MW: 8.5# Vis: 44 Pv/Yp: 16/8 FIH, tagged TOC @ 2813' & PU to 2689'. Loaded hole w/wtr & circ w/full returns while WOC (total WOC f/ 14-3/4 hrs). Drld cmt f/2689-3073' w/full returns, strtdd having 50% returns @ 3073', then lost complete returns while drlg to 3087'. Drld cmt to 3147' w/o returns w/final 9' of hard cmt. POH. RIH w/OE DP w/plug catcher to 3076'. Sptd Plug #6 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 1/4#/sx Flocele & 10#/sx Cal-Seal mixed @ 14.0 ppg. Displ'd cmt & bmpd plug @ 0155 hrs, pld 12 stds wet, then sheared plug. FOH dry.	
8/25/83	58	TD: 3351' (0') - WO Mtn Air to aerate the mud. (8-5/8" @ 2745')	
		RIH, tagged cmt @ 3011' & CO to 3046'. PU to make conn & stuck. Circ & jar, wrkd pipe free & POH. RIH to csg shoe & WO air company. Telephone is out of order.	

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Daily Well History—Interim

RCO Oil and Gas Company

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AFE #R-27228

Prop Code: EQ-20031

County or Parish	State
Garfield	Utah
Lease or Unit	Well no.
ALLEN FEE (Antimony Bench)	#1
Rocky Mountain	
Wildcat	
Age and depth of 8:00 a.m.	Complete record for each day while drilling or workover in progress

8/26/83	59	<p>TD: 3360' (9') - Circ f/TOH. (8-5/8" @ 2745')</p> <p>MW: 6.0# Vis: 40 Pv/Yp: 7/6 (aerated)</p> <p>Cont'd WO air drlrs. Cond'd mud. TOH & instl'd jet sub @ 1200' above bit.</p> <p>TIH. RU air drlg equip. Drld cnt 3046-3351' w/aerated mud, lost 250 BM.</p> <p>Drld to 3360'. Circ & prep to TOH & chg out BHA.</p>
8/27-29	62	<p>TD: 3832' (472') - Drlg. (8-5/8" @ 2745')</p> <p>MW: 8.6# Vis: 34 Pv/Yp: 7/8</p> <p>FOH, chg'd BHA & calipered same. RIH & drld ahead 7-7/8" hole to PD</p> <p>w/aerated mud.</p>
8/30/83	63	<p>TD: 3887' (55') - Drlg. (8-5/8" @ 2745')</p> <p>MW: 8.3# Vis: 26 Air: 1100 cfm</p> <p>Drld 7-7/8" hole to PD. Rnd tite hole 3840-3862' & made a trip to chk jet-sub.</p>
8/31/83	64	<p>TD: 4010' (123') - Drlg. (8-5/8" @ 2745')</p> <p>MW: 8.3# Vis: 26 (Wtr)</p> <p>Drld 7-7/8" hole to PD w/aerated wtr. Tite conn @ 3910', stuck bit @ 3980'</p> <p>& jarred loose. Circ & cond hole, drlg ahead.</p>

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CONFIDENTIAL

Prop Code: EQ-20031		County or Parish		State	
Rocky Mountain		Garfield		Utah	
Wildcat		Lease or Unit		Well no.	
		ALLEN FEE (Antimony Bench)		#1	
Time and depth of 8:00 a.m.		Complete record for each day while drilling or workover in progress			

9/1/83	65	TD: 4055' (45') - Wshg bridge @ 3975'. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD & POH. Magnaflux & Ultra Sonic Inspection on BHAs. RIH w/B#9.
9/2/83	66	TD: 4148' (93') - Drlg. (8-5/8" @ 2745') Aerated Wtr Wsh & rm on bridge @ 3975' & POH w/plugged bit. Staged into hole brkg circ @ 2700' & 3700'. Rmd 120' to btm & drld ahead to PD.
9/3-6	70	TD: 4638' (490') - Rmg under-gauged hole @ 4540'. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD & POH w/plugged jets. Chg'd out BHAs & repaired rig f/18 hrs. RIH w/B#10, brkg circ & taking inclination surveys @ 3500' & 4100'. POH due to brkn WL after surveying @ 4100'. RIH & rmg @ 4540'.
9/7/83	71	TD: 4902' (264') - Drlg. (8-5/8" @ 2745') Aerated Wtr Rmd undergauged hole to 4638' & drld ahead to PD. Survey: 7-1/2° @ 4600'. TD:8000') Binkley
9/8/83	72	TD: 5293' (391') - Drlg. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD. Survey: 9-7/8° @ 5074'.
9/9/83	73	TD: 5696' (4-5') - Drlg. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD.
9/10-12	76	TD: 5696' (0', 0', 0') - TOH w/fsh. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr Drld to PD. Wrkd stuck pipe. Spt 100 bbl 60 vis pill. RU Dialog - fnd freept @ 4040' & back off DP @ 4010' WLM. TOH - SLM. PU extra DP & fshg tool & RIH. Tag TOF @ 4092'. Screw into fsh & circ thru bit w/aerated mud - no returns. Jarred fsh 8' up hole. RU Dialog - fnd freept @ 4071'. Cont'd jarring - jars failed. RU Dialog - back off @ 4040' WLM. TOH - LD fshg tools & 1 jt DP. PU new fshg tools & TIH. Screw into fsh. Jarred fsh loose & TOH.

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The above is correct		Date	Title
Signature			District Drilling Superintendent

For form preparation and distribution see Procedures Manual Section 10, Drilling, Pages 86 and 87

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Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Prop Code: EQ-20031		County or Parish		State		AFE #R-27228	
Rocky Mountain		Garfield		Utah			
Wildcat		Lease or Unit		(Antimony Bench)		Well no.	
		ALLEN FEE				#1	
Time and depth of 8:00 a.m.		Complete record for each day while drilling or workover in progress					
9/13/83 5696		Day-77 (0') - Rmg to btm @ 3970'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd TOH w/fsh. LD fshg tools. Found FL @ 890' w/WL. TIH w/B#11 + mill. Milled 3850-3970' w/aerated mud.					
9/14/83 5696		Day-78 (0') - Rmg to btm @ 5684'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd rmg w/B#11 + mill to 4130'. Circ & cond hole. TOH. LD BHDC & mill. PU drlq BHA w/B#11. TIH. Wsh & rm to 5684'.					
9/15/83 5798		Day-79 (103') - MU BHA. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr. Cont'd rmg to 5696'. Drld to 5720'. Circ & cond f/logs. Sht trip 25 stds. Circ & cond, spt hi-vis pill on btm. TOH - SLM, corr'd PD f/5720' to 5798' (78' corr). RU Schl. Run DIL & BHCS 5798-2745' & FDC/CNL 5798-1400'. LTD - 5800'. RD Schl. MU BHA.					
9/16/83 6065		Day-80 (267') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. TIH w/bit & BHA & drld 7-7/8" hole to PD pmpg 294 GPM w/950 cfm air.					
9/17-19 6900		Day-83 (835') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD w/TFB @ 6490'. Survey: 10° @ 6490'.					
9/20/83 7040		Day-84 (140') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD.					
9/21/83 7050		Day-85 (10') - Logging. (8-5/8" @ 2745') Lime Wtr. Drld 7-7/8" hole to PD. Made 25 std sht trip & sptd 250 bbls hi vis pill. POH. Schl ran DLL/MSFL, FDC/CNL/GR/Calip & BHCS/GR/HDT.					
9/22/83 7050		Day-86 (0') - LD 4-1/2" DP - P & A in process. (8-5/8" @ 2745') Wtr. Schl fin logging. TIH w/OE DP to 7000', mix & pmp 50 sx Cl "H" (Plug #1). PU to 5500', LD DP, mix & pmp 80 sx Cl "H" (Plug #2).					
9/23/83 7050		Day-87 PB: Surf - FINAL REPORT - WELL P & A, 9/23/83. (8-5/8" @ 2745') Set Plug #3 @ 3400-3200' w/80 sx, Plug #4 @ 2800-2700' w/65 sx, Plug #5 @ 100-0' w/50 sx & sqz'd 60 sx in 8-5/8" x 10-3/4" annulus. ND BOPs & instl'd DH marker. RR 0600 hrs 9/23/83.					

ARCO Oil and Gas Company
Rocky Mountain District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000

September 15, 1983

RECEIVED
SEP 19 1983

DIVISION OF
OIL, GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Monthly Report of Operations
Well No. 1 (ALLEN FEE)
SW SW Sec. 3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate, is the Monthly Report of Operations
for the month of August, 1983, on
the subject well.

This well is being drilled as a "Tight Hole" and we request
that this information be held CONFIDENTIAL.

This well was spudded on June 28, 1983.

Very truly yours,

B. R. Still

B. R. Still, Supervisor
Operations Information Group

jz

Attachment

State Lease No.
Federal Lease No.
Indian Lease No.
Fee & Pat. Fee

TIGHT HOLE!!

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Garfield FIELD/LEASE Allen Fee

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
August, 1983. ABCO Oil and Gas Co., Div. of

Agent's Address P.O. Box 5540
Denver, Co. 80217

Company ARCO Oil and Gas Co., Div. of
Atlantic Richfield Company
Signed B. R. Still
Title Supvr., Opns. Info. Group

Phone No. (303) 293-7234

Phone No. _____										REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. and of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	
W SW ec. 3	31S	2W	1	0	0	0	0	0	0	Well spudded, 6-28-83. (See Attached Drilling Report) <u>TIGHT HOLE!! PLEASE</u> <u>KEEP CONFIDENTIAL.</u>

GAS: (MCF)	0
Sold	0
Produced/Vented	0
On/Off Lease	0

OIL or CONDENSATE: (To be reported in Barrels)	
On hand at beginning of month	0
Produced during month	0
Sold during month	0
Unavoidably lost	0
Reason:	-
On hand at end of month	0

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED**

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Page 1 of 3

Prop Code: EQ-20031

AFE #R-27228

Rocky Mountain	County or Parish Garfield	State Utah
Wildcat	Lease or Unit ALLEN FEE (Antimony Bench)	Well no. #1

7/30-8/1/83
2665

Day-34 (0') - CO & cond hole above fish. (10-3/4" @ 1484')
MW: 8.3# (aerated) Vis: 26
Attempt to screw into fish @ 2420' - no success. TOH & chg out fshg tools. TIH & plugged string. RU Dialog & attempt to unplug - no success. TOH & CO fsg tools. TIH w/fshg tools, wsh & rm to TOF. Attempt to get over fish - no success. Circ & cond hole. TOH & chg out fshg tools. TIH & wsh to TOF. No success & TOH. MU OS w/wall hook & knuckle jt & TIH. Wsh & rm bridge @ 2240' - hole tite. TOH & LD fshg tools. TIH w/B#4 (RR) to cond hole. Wrkd hole to CO & TOH to unplug bit. TIH & CO & cond hole to 1965'.

8/2/83 2665

Day-35 (0') - CO & cond hole above fish. (10-3/4" @ 1484')
MW: 8.3# (aerated) Vis: 26 Pv/Yp: 1/1
Cont'd CO hole above fish w/lime wtr & air. Hvy LCM bridge @ 2345'. CO to 2360'.

8/3/83 2665

Day-36 (0') - Spt mud over fish. (10-3/4" @ 1484')
MW: 8.2# (aerated) Vis: 26
Cont'd CO to TOF @ 2420'. TOH SLM - corr'd depth of CO to 2477'. TIH. Circ & attempt to loc fish. Circ & spt mud.

8/4/83 2665

Day-37 (0') - Inspecting BHA. (10-3/4" @ 1484')
MW: 8.3# (aerated) Vis: 26
Spt 250 BM over fish. TOH. PU fshg tools & TIH. Wrk onto fish & jar free. Chain out of hole & rec'd fsh. LD fshg tools & fish. TIH w/DCs & inspect BHA.

8/5/83 2665

Day-38 (7-7/8"), 2170' (9-7/8") - Rmg hole to 9-7/8". (10-3/4" @ 1484')
MW: 8.4# (aerated) Vis: 26
Fin inspect BHA. PU 9-7/8" bit, chg out BHA. TIH. Rmd 7-7/8" hole to 9-7/8". Lost returns @ 1637'. Rmd thru bridge. Cont'd rmg w/lime wtr & air.

8/6-8/83
2750

Day-41 (85', 0', 0') - TOH & LD BHA. (10-3/4" @ 1484')
MW: 8.5# (aerated) Vis: 65
Rmd 7-7/8" hole to 9-7/8" hole to 2750', w/tite hole @ 2259'. Circ & unload hole & drop survey. TOH - SLM. TIH & hit bridge @ 1661'. Wsh & rm thru bridge. TIH & hit bridge @ 1848'. Wsh & CO hole to 2530'. Stuck pipe & lost 100% returns. Wrk stuck pipe & attempt circ w/aerated lime wtr. Wrkd pipe free, wsh & rmd to 2750'. Spt 270 bbls gel-mud. TOH w/B#6. Stuck pipe @ 2617' & wrkd free. TOH & LD BHA. Prep to PU jars & TIH. Survey: 6° @ 2709'.

/9/83 2750

Day-42 (0') - Circ aerated mud @ 2422'. (10-3/4" @ 1484')
MW: 8.5# (aerated) Vis: 33 Pv/Yp: 12/7
TIH, hit bridge @ 2462'. Unsuccessfully attempted to establish circ w/sml amt of returns: lost 1058 BM in 4 hrs. PU to 1904' & circ w/partial returns of WCM. Staged into hole by 3 stds to 2422' & hit bridge.

/10/83 2750

Day-43 (0') - Circ & cond hole w/aerated mud. (10-3/4" @ 1484')
MW: 8.4# Vis: 29 Pv/Yp: 12/6
Wshd & rmd to btm, and circ'g.

3/11/83 2750

Day-44 (0') - NU BOP. (8-5/8" @ 2745')
Circ & cond hole & POH. Ran 67 jts 8-5/8", 32#, K-55, STC csg. BJ cmted w/150 sx Lite + 2% CaCl₂ + 1/4#/sx Celloflake, foll'd by 150 sx Cl "G" + 2% CaCl₂ + 1/4#/sx Celloflake w/o returns. WOC f/10 hrs & set slips w/70M# tension.

/12/83 2800

Day-45 (50') - Prep to POH. (8-5/8" @ 2745')
MW: 8.6# Vis: 38 Pv/Yp: 8/6
Fin NU BOPs. Schl ran CNL/CBL/VDL. Press tstd 8-5/8" csg & blind rams to

Daily Well History—Interim

RCO Oil and Gas Company

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Prop Code: EO-20031		AFE #R-27228	
Tract	County or Parish	State	
Rocky Mountain	Garfield	Utah	
Lease or Unit	Well no.		
Wildcat	ALLEN FEE (Antimony Bench)		#1
8/13-15 2800	Day-48 (0') - Rig repair. (8-5/8" @ 2745') Circ, survey & POH. CO cellar, ND BOPs, NU csg spool & tstd pack-off to 2500 psi. NU BOPs & tstd to 3000 psi, except kill & chk valve. RIH w/bit & BHA to csg shoe, RD floor, LD derrick & repair same. Surveys: 2° @ 2300', 2-3/4° @ 2400', 4-1/2° @ 2500', 5-1/4° @ 2600', 6° @ 2700', 6-1/4° @ 2780'		
8/16/83 2800	Day-49 (0') - Rig repair. CONFIDENTIAL (8-5/8" @ 2745')		
8/17/83 2800	Day-50 (0') - 24 hrs rig repair. (8-5/8" @ 2745')		
8/18/83 2899	Day-51 (99') - Drlg. (8-5/8" @ 2745') Fin repairing derrick leg, RU floor & commenced drlg operation @ 1900 hrs, 8/17/83. Wsh & rm to btm, strt'd drlg & lost circ @ 2873'. Mixed & pmpd 30% LCM & established circ. Drld ahead to PD.		
8/19/83 3270	Day-52 (371') - Drlg. (8-5/8" @ 2745') MW: 8.5# Vis: 54 Pv/Yp: 21/9 Drld 7-7/8" hole to PD. Surveys: 6-1/4° @ 2954' & 3061'.		
8/20-22 3351	Day-55 (81') - WOC on plug #4. (8-5/8" @ 2745') MW: 8.5# Vis: 49 Pv/Yp: 18/9 Drld to 3281' & lost returns. Sptd 250 bbls LCM pill mixed @ 40-50% LCM pill w/o success. Drld to PD w/o returns & POH after freeing stuck pipe. FL in hole @ 1005'. RIH w/OE DP w/plug catcher, sptd 150 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite w/tail @ 3075'. No returns. POH. RIH & tagged TOC @ 3253'. PU w/tail @ 3075', pmpd another 150 sx Thixotropic cmt w/same additive. No returns. RIH w/bit, tagged TOC @ 3248', drld cmt to 3321' where encountered firm cmt w/o returns. Tagged FL @ 915'. Attempted plug #3 w/200 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal w/o success. Attempted plug #4 w/200 sx Thixotropic w/same additive as plug #3. WOC & tagged FL @ 900'.		
8/23/83 56	TD: 3351' (0') - TIH while WOC (8-5/8" @ 2745') MW: 8.5# Vis: 42 Pv/Yp: 14/6 Filled hole w/water & hole stayed full. RIH, tagged TOC @ 2809' & drld firm cmt to 2980'; lost returns. Drld ahead to 3043' w/o returns. POH. RIH w/OE DP w/plug catcher to 2765' & spotted plug #5 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal. Plug sheared by over displacement & POH dry. CIP @ 2400 hrs, 8/22/83.		
8/24/83 57	TD: 3351' (0') - WOC; plug #6. (8-5/8" @ 2745') MW: 8.5# Vis: 44 Pv/Yp: 16/8 FIH, tagged TOC @ 2813' & PU to 2689'. Loaded hole w/wtr & circ w/full returns while WOC (total WOC f/ 14-3/4 hrs). Drld cmt f/2689-3073' w/full returns, strt'd having 50% returns @ 3073', then lost complete returns while drlg to 3087'. Drld cmt to 3147' w/o returns w/final 9' of hard cmt. POH. RIH w/OE DP w/plug catcher to 3076'. Sptd Plug #6 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 1/4#/sx Flocele & 10#/sx Cal-Seal mixed @ 14.0 ppg. Displ'd cmt & bmpd plug @ 0155 hrs, pld 12 stds wet, then sheared plug. FOH dry.		
8/25/83 58	TD: 3351' (0') - WO Mtn Air to aerate the mud. (8-5/8" @ 2745') RIH, tagged cmt @ 3011' & CO to 3046'. PU to make conn & stuck. Circ & jar, wrkd pipe free & POH. RIH to csg shoe & WO air company. Telephone is out of order.		

CONFIDENTIAL

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Prop Code: EQ-20031

CONFIDENTIAL

AFE #R-27228

Tract	County or Parish	State
Rocky Mountain	Garfield	Utah
Lease or Unit	Well no.	
Wildcat	ALLEN FEE (Antimony Bench)	#1
Time and depth of 8:00 a.m.	Complete record for each day while drilling or workover in progress	

8/26/83	59	<p>TD: 3360' (9') - Circ f/TOH. (8-5/8" @ 2745')</p> <p>MW: 6.0# Vis: 40 Pv/Yp: 7/6 (aerated)</p> <p>Cont'd WO air drlrs. Cond'd mud. TOH & instl'd jet sub @ 1200' above bit. TIH. RU air drlg equip. Drld cnt 3046-3351' w/aerated mud, lost 250 BM. Drld to 3360'. Circ & prep to TOH & chg out BHA.</p>
8/27-29	62	<p>TD: 3832' (472') - Drlg. (8-5/8" @ 2745')</p> <p>MW: 8.6# Vis: 34 Pv/Yp: 7/8</p> <p>FOH, chg'd BHA & calipered same. RIH & drld ahead 7-7/8" hole to PD w/aerated mud.</p>
8/30/83	63	<p>TD: 3887' (55') - Drlg. (8-5/8" @ 2745')</p> <p>MW: 8.3# Vis: 26 Air: 1100 cfm</p> <p>Drld 7-7/8" hole to PD. Rnd tite hole 3840-3862' & made a trip to chk jet-sub.</p>
8/31/83	64	<p>TD: 4010' (123') - Drlg. (8-5/8" @ 2745')</p> <p>MW: 8.3# Vis: 26 (Wtr)</p> <p>Drld 7-7/8" hole to PD w/aerated wtr. Tite conn @ 3910', stuck bit @ 3980' & jarred loose. Circ & cond hole, drlg ahead.</p>

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331 for such proposals.)

1. oil ☒ well ☐ gas well ☐ other ☒ X
2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 725' FSL & 505' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Approx the same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

5. LEASE FEE	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
7. UNIT AGREEMENT NAME NA	
8. FARM OR LEASE NAME Allen Fee	
9. WELL NO. 1	
10. FIELD OR WILDCAT NAME Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3-31S-2W	
12. COUNTY OR PARISH Garfield	13. STATE Utah
14. API NO. 43-107-30118	
15. ELEVATIONS (SHOW OF ADB, AND WD) 6380'	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Present status: 10-3/4" casing cemented @ 1484' KB; Core #1 1504'-1510', Core #2 1510'-1518', Core #3 1518'-1524'; DST #1 1484'-1518', DST #2 1484'-1518'; 8-5/8" casing cemented @ 2745' KB. Drilled to total depth of 7050'. Logged. Formation tops:

Base of Volcanics	1475'	Lynch	4556'
Red Wall	3204'	Max Field	5646'
Ouray	4122'	Ophir	6300'
Elbert	4366'	Tintic	6650'

(SEE ATTACHED)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE Operations Manager DATE 9-26-83
W.A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/10/83
BY: [Signature]

*See Instructions on Reverse Side

ALLEN FEE #1
SW SW Section 3-31S-2W
Garfield County, Utah

Propose to P & A as follows:

Plug #1	7000'-6900'
Plug #2	5500'-5300'
Plug #3	3400'-3200'
Plug #4	2800'-2700'
Plug #5	50'- 0'
Plug #6	20'- 0'

All plugs except surface plug should be preceded and followed by 10 bbl water spacer.

Verbally approved by ~~Ron Firth~~, Utah Oil and Gas Commission, to Suzanne Barnes, ARCO Oil and Gas Commission @ 11:15 am 9-21-83.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

CONFIDENTIAL

1. ☒ oil ☐ gas well ☐ other ☒ X
2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 725' FSL & 505' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Approx the same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐
☒ X

5. LEASE FEE ☒ **CONFIDENTIAL**
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA
7. UNIT AGREEMENT NAME
NA
8. FARM OR LEASE NAME
Allen Fee
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-31S-2W
12. COUNTY OR PARISH
Garfield
13. STATE
Utah
14. API NO.
43-107-30118
15. ELEVATIONS (SHOW DF, KDB, AND WD)
CONFIDENTIAL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Finished logging. Plugged and abandoned as follows:

Plug #1	7000' - 6900'	50 sx Class "H" cement
Plug #2	5500' - 5300'	80 sx Class "H" cement
Plug #3	3400' - 3200'	80 sx Class "H" cement
Plug #4	2800' - 2700'	65 sx Class "H" cement
Plug #5	200' - 0'	60 sx Class "H" cement between 10-3/4" x 8-5/8"
Plug #6	100' - 0'	50 sx Class "H" cement

Weld on dry hole marker.

Released rig @ 6:00 am 9-23-83.

Cleaning location.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE Operations Manager DATE 9-26-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

* APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9-26-83

*See Instructions on Reverse Side

*ADVISE DIVISION WHEN LOCATION IS READY
FOR FINAL INSPECTION:

T I G T H O L E
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

13

WELL ~~CONFIDENTIAL~~ OR RECOMPLETION REPORT AND LOG *1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

ARCO Oil and Gas Company, Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 725' FSL & 505' FWL

At top prod. interval reported below

At total depth Approx the same SWSW

14. PERMIT NO. DATE ISSUED

N. Stout

4-26-83

15. DATE SPUNDED 6-28-83 16. DATE T.D. REACHED 9-21-83 17. DATE COMPL. (Ready to prod.) P & A 9-23-83 18. ELEVATIONS (OF. RES. RT. GR. ETC.)* 6380' GL 6395' KB 19. ELEV. CASINGHEAD ---

20. TOTAL DEPTH, MD & TVD 7050' 21. PLUG, BACK T.D., MD & TVD Surface P & A 22. IF MULTIPLE COMPL., HOW MANY* NONE 23. INTERVALS DRILLED BY --- ROTARY TOOLS 0-7050 CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NONE PLUGGED AND ABANDONED

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/FDC DI/SFL BHC DIL/MSEL

27. WAS WELL CORED

YES

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65#	108'KB		365 sx Class "B"	NONE
10-3/4"	40.5#	1484'KB	14-3/4"	1320 sx pozmix	NONE
8-5/8"	32#	2745'KB	9-7/8"	300 sx lite & Class "G"	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

NONE P & A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

NONE P & A

33. PRODUCTION

30.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
-----		P & A-----				-----	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
-----	-----	-----	-----P & A-----	-----	-----	-----	-----
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-----	-----	-----	-----P & A-----	-----	-----	-----	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

2 of #26 above and Daily Well History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W.A. Walther, Jr. TITLE Operations ManagerDATE 9-29-83

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
SEE ATTACHED				Base of Volcanics	1475'	
				Red Wall	3204'	
				Ouray	4122'	
				Elbert	4366'	
				Lynch	4556'	
				Max Field	5646'	
				Ophir	6300'	
				Tintic	6650'	

ARCO Oil and Gas Company
Rocky Mountain District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000



October 11, 1983

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Monthly Report of Operations
Well No. 1 (ALLEN FEE)
SW SW Sec. 3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate, is the Monthly Report of Operations
for the month of September, 1983, on
the subject well.

This well is being drilled as a "Tight Hole" and we request
that this information be held CONFIDENTIAL.

This well was spudded on June 28, 1983.

Very truly yours,

B. R. Still / jz

B. R. Still, Supervisor
Operations Information Group

jz

Attachment

1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
328-5771

State Lease No.
Federal Lease No.
Indian Lease No.
Fee & Pat. **Fee**

TIGHT HOLE!!

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Garfield FIELD/LEASE Allen Fee

The following is a correct report of operations and production (including drilling and producing wells) for the month of: September, 1983. ABCO Oil and Gas Co., Div. of

Agent's Address P.O. Box 5540
Denver, Co. 80217

Phone No. (303) 293-7234

ARCO Oil and Gas Co., Div. of
Company Atlantic Richfield Company
Signed B. R. Still, Jr.
Title Supvr., Opns. Info. Group

Phone No. (303) 293-7234

Section and of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
W SW ec. 3	31S	2W	1	0	0	0	0	0	0	Well spudded, 6-28-83. Plugged and Abandoned 9-23-83. <u>TIGHT HOLE!! PLEASE KEEP CONFIDENTIAL.</u>

GAS: (MCF)

Sold	0
Leased/Vented	0
On/Off Lease	0

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month	0
Produced during month	0
Sold during month	0
Unavoidably lost	0
Reason:	-
On hand at end of month	0

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED**

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Prop Code: EQ-20031

AFE #R-27228

County or Parish	Garfield	State	Utah
Lease or Unit	ALLEN FEE	(Antimony Bench)	Well no. #1

Time and depth of 8:00 a.m.	Complete record for each day while drilling or workover in progress
9/13/83 5696	Day-77 (0') - Rmg to btm @ 3970'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd TOH w/fsh. LD fshg tools. Found FL @ 890' w/WL. TIH w/B#11 + mill. Milled 3850-3970' w/aerated mud.
9/14/83 5696	Day-78 (0') - Rmg to btm @ 5684'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd rmg w/B#11 + mill to 4130'. Circ & cond hole. TOH. LD BHDC & mill. PU drlq BHA w/B#11. TIH. Wsh & rm to 5684'.
9/15/83 5798	Day-79 (103') - MU BHA. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr. Cont'd rmg to 5696'. Drld to 5720'. Circ & cond f/logs. Sht trip 25 stds. Circ & cond, spt hi-vis pill on btm. TOH - SLM, corr'd PD f/5720' to 5798' (78' corr). RU Schl. Run DIL & BHCS 5798-2745' & FDC/CNL 5798-1400'. LTD - 5800'. RD Schl. MU BHA.
9/16/83 6065	Day-80 (267') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. TIH w/bit & BHA & drld 7-7/8" hole to PD pmpg 294 GPM w/950 cfm air.
9/17-19 6900	Day-83 (835') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD w/TFB @ 6490'. Survey: 10° @ 6490'.
9/20/83 7040	Day-84 (140') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD.
9/21/83 7050	Day-85 (10') - Logging. (8-5/8" @ 2745') Lime Wtr. Drld 7-7/8" hole to PD. Made 25 std sht trip & sptd 250 bbls hi vis pill. POH. Schl ran DLL/MSFL, FDC/CNL/GR/Calip & BHCS/GR/HDT.
9/22/83 7050	Day-86 (0') - LD 4-1/2" DP - P & A in process. (8-5/8" @ 2745') Wtr. Schl fin logging. TIH w/OE DP to 7000', mix & pmp 50 sx Cl "H" (Plug #1). PU to 5500', LD DP, mix & pmp 80 sx Cl "H" (Plug #2).
9/23/83 7050	Day-87 PB: Surf - FINAL REPORT - WELL P & A, 9/23/83. (8-5/8" @ 2745') Set Plug #3 @ 3400-3200' w/80 sx, Plug #4 @ 2800-2700' w/65 sx, Plug #5 @ 100-0' w/50' sx & sqz'd 60 sx in 8-5/8" x 10-3/4" annulus. ND BOPs & instl'd DH marker. RR 0600 hrs 9/23/83.

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

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Prop Code: EQ-20031		AFE #R-27228	
District Rocky Mountain	County or Parish Garfield	State Utah	
Well Wildcat	Lease or Unit ALLEN FEE (Antimony Bench)	Well no. #1	
Time and depth of 8:00 a.m.	Complete record for each day while drilling or workover in progress		

9/1/83	65	TD: 4055' (45') - Wshg bridge @ 3975'. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD & POH. Magnaflux & Ultra Sonic Inspection on BHAs. RIH w/B#9.
9/2/83	66	TD: 4148' (93') - Drlg. (8-5/8" @ 2745') Aerated Wtr Wsh & rm on bridge @ 3975' & POH w/plugged bit. Staged into hole brkg circ @ 2700' & 3700'. Rmd 120' to btm & drld ahead to PD.
9/3-6	70	TD: 4638' (490') - Rmg under-gauged hole @ 4540'. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD & POH w/plugged jets. Chg'd out BHAs & repaired rig f/18 hrs. RIH w/B#10, brkg circ & taking inclination surveys @ 3500' & 4100'. POH due to brkn WL after surveying @ 4100'. RIH & rmg @ 4540'.
9/7/83	71	TD: 4902' (264') - Drlg. (8-5/8" @ 2745') Aerated Wtr Rmd undergauged hole to 4638' & drld ahead to PD. Survey: 7-1/2° @ 4600'. (8-5/8" @ 2745') Binkley
9/8/83	72	TD: 5293' (391') - Drlg. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD. Survey: 9-7/8° @ 5074'.
9/9/83	73	TD: 5696' (4-5') - Drlg. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD.
9/10-12	76	TD: 5696' (0', 0', 0') - TOH w/fsh. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr Drld to PD. Wrkd stuck pipe. Spt 100 bbl 60 vis pill. RU Dialog - fnd freept @ 4040' & back off DP @ 4010' WLM. TOH - SLM. PU extra DP & fshg tool & RIH. Tag TOF @ 4092'. Screw into fsh & circ thru bit w/aerated mud - no returns. Jarred fsh 8' up hole. RU Dialog - fnd freept @ 4071'. Cont'd jarring - jars failed. RU Dialog - back off @ 4040' WLM. TOH - LD fshg tools & 1 jt DP. PU new fshg tools & TIH. Screw into fsh. Jarred fsh loose & TOH.

The above is correct		Date	Title
Signature			District Drilling Superintendent

For form preparation and distribution see Procedures Manual Section 10, Drilling, Pages 86 and 87

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ALLEN FEE #1 WELL
SW SW Section 3-31S-2W
Garfield County, Utha

//

9/23/83 7050

Day-87 PB: Surf - FINAL REPORT - WELL P & A, 9/23/83. (8-5/8" @ 2745')
Set Plug #3 @ 3400-3200' w/80 sx, Plug #4 @ 2800-2700' w/65 sx, Plug #5 @ 100-0' w/50 sx & sqz'd 60 sx in 8-5/8" x 10-3/4" annulus. ND BOPs & instl'd DH marker. RR 0600 hrs 9/23/83.

ALLEN FEE #1 WELL
SW SW Section 3-31S-2W
Garfield County, Utha

10

9/13/83	5696	Day-77 (0') - Rmg to btm @ 3970'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd TOH w/fsh. LD fshg tools. Found FL @ 890' w/WL. TIH w/B#11 + mill. Milled 3850-3970' w/aerated mud.
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9/15/83	5798	Day-79 (103') - MU BHA. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr. Cont'd rmg to 5696'. Drld to 5720'. Circ & cond f/logs. Sht trip 25 stds. Circ & cond, spt hi-vis pill on btm. TOH - SLM, corr'd PD f/5720' to 5798' (78' corr). RU Schl. Run DIL & BHCS 5798-2745' & FDC/CNL 5798-1400'. LTD - 5800'. RD Schl. MU BHA.
9/16/83	6065	Day-80 (267') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. TIH w/bit & BHA & drld 7-7/8" hole to PD pmpg 294 GPM w/950 cfm air.
9/17-19	6900	Day-83 (835') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD w/TFB @ 6490'. Survey: 10° @ 6490'.
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9/21/83	7050	Day-85 (10') - Logging. (8-5/8" @ 2745') Lime Wtr. Drld 7-7/8" hole to PD. Made 25 std sht trip & sptd 250 bbls hi vis pill. POH. Schl ran DLL/MSFL, FDC/CNL/GR/Calip & BHCS/GR/HDT.
9/22/83	7050	Day-86 (0') - LD 4-1/2" DP - P & A in process. (8-5/8" @ 2745') Wtr. Schl fin logging. TIH w/OE DP to 7000', mix & pmp 50 sx Cl "H" (Plug #1). PU to 5500', LD DP, mix & pmp 80 sx Cl "H" (Plug #2).

8/31/83	64	TD: 4010' (123') - Drlg. (8-5/8" @ 2745') MW: 8.3# Vis: 26 (Wtr) Drld 7-7/8" hole to PD w/aerated wtr. Tite conn @ 3910', stuck bit @ 3980' & jarred loose. Circ & cond hole, drlg ahead.
9/1/83	65	TD: 4055' (45') - Wshg bridge @ 3975'. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD & POH. Magnaflux & Ultra Sonic Inspection on BHAs. RIH w/B#9.
9/2/83	66	TD: 4148' (93') - Drlg. (8-5/8" @ 2745') Aerated Wtr Wsh & rm on bridge @ 3975' & POH w/plugged bit. Staged into hole brkg circ @ 2700' & 3700'. Rmd 120' to btm & drld ahead to PD.
9/3-6	70	TD: 4638' (490') - Rmg under-gauged hole @ 4540'. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD & POH w/plugged jets. Chg'd out BHAs & repaired rig f/18 hrs. RIH w/B#10, brkg circ & taking inclination surveys @ 3500' & 4100'. POH due to brkn WL after surveying @ 4100'. RIH & rmg @ 4540'.
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9/9/83	73	TD: 5696' (4-5') - Drlg. (8-5/8" @ 2745') Aerated Wtr Drld 7-7/8" hole to PD.
9/10-12	76	TD: 5696' (0', 0', 0') - TOH w/fsh. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr Drld to PD. Wrkd stuck pipe. Spt 100 bbl 60 vis pill. RU Dialog - fnd frept @ 4040' & back off DP @ 4010' WLM. TOH - SLM. PU extra DP & fshg tool & RIH. Tag TOF @ 4092'. Screw into fsh & circ thru bit w/aerated mud - no returns. Jarred fsh 8' up hole. RU Dialog - fnd frept @ 4071'. Cont'd jarring - jars failed. RU Dialog - back off @ 4040' WLM. TOH - LD fshg tools & 1 jt DP. PU new fshg tools & TIH. Screw into fsh. Jarred fsh loose & TOH.

8/23/83	56	TD: 3351' (0') - TIH while WOC MW: 8.5# Vis: 42 Pv/Yp: 14/6 Filled hole w/water & hole stayed full. RIH, tagged TOC @ 2809' & drld firm cmt to 2980'; lost returns. Drld ahead to 3043' w/o returns. POH. RIH w/OE DP w/plug catcher to 2765' & spotted plug #5 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal. Plug sheared by over displacement & POH dry. CIP @ 2400 hrs, 8/22/83.	(8-5/8" @ 2745')
8/24/83	57	TD: 3351' (0') - WOC; plug #6. MW: 8.5# Vis: 44 Pv/Yp: 16/8 FIH, tagged TOC @ 2813' & PU to 2689'. Loaded hole w/wtr & circ w/full returns while WOC (total WOC f/ 14-3/4 hrs). Drld cmt f/2689-3073' w/full returns, strt'd having 50% returns @ 3073', then lost complete returns while drlg to 3087'. Drld cmt to 3147' w/o returns w/final 9' of hard cmt. POH. RIH w/OE DP w/plug catcher to 3076'. Spt'd Plug #6 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 1/4#/sx Flocele & 10#/sx Cal-Seal mixed @ 14.0 ppg. Displ'd cmt & bmp'd plug @ 0155 hrs, pld 12 stds wet, then sheared plug. FOH dry.	(8-5/8" @ 2745')
8/25/83	58	TD: 3351' (0') - WO Mtn Air to aerate the mud. RIH, tagged cmt @ 3011' & CO to 3046'. PU to make conn & stuck. Circ & jar, wrkd pipe free & POH. RIH to csg shoe & WO air company. Telephone is out of order.	(8-5/8" @ 2745')
8/26/83	59	TD: 3360' (9') - Circ f/TOH. MW: 6.0# Vis: 40 Pv/Yp: 7/6 Cont'd WO air drlrs. Cond'd mud. TOH & instl'd jet sub @ 1200' above bit. TIH. RU air drlg equip. Drld cmt 3046-3351' w/aerated mud, lost 250 BM. Drld to 3360'. Circ & prep to TOH & chg out BHA.	(8-5/8" @ 2745') (aerated)
8/27-29	62	TD: 3832' (472') - Drlg. MW: 8.6# Vis: 34 Pv/Yp: 7/8 FOH, chg'd BHA & caliper'd same. RIH & drld ahead 7-7/8" hole to PD w/aerated mud.	(8-5/8" @ 2745')
8/30/83	63	TD: 3887' (55') - Drlg. MW: 8.3# Vis: 26 Air: 1100 cfm Drld 7-7/8" hole to PD. Rnd tite hole 3840-3862' & made a trip to chk jet-sub.	(8-5/8" @ 2745')

8/12/83	2800	Day-45 (50') - Prep to POH. MW: 8.6# Vis: 38 Pv/Yp: 8/6 Fin NU BOPs. Schl ran CNL/CBL/VDL. Press tstd 8-5/8" csg & blind rams to 2000 psi. RIH w/bit, tagged cmt @ 2686' & drld w/wtr. Built mud vol, drld shoe & drld to PD.	(8-5/8" @ 2745')
8/13-15	2800	Day-48 (0') - Rig repair. Circ, survey & POH. CO cellar, ND BOPs, NU csg spool & tstd pack-off to 2500 psi. NU BOPs & tstd to 3000 psi, except kill & chk valve. RIH w/bit & BHA to csg shoe, RD floor, LD derrick & repair same. Surveys: 2° @ 2300', 2-3/4° @ 2400', 4-1/2° @ 2500', 5-1/4° @ 2600', 6° @ 2700', 6-1/4° @ 2780'	(8-5/8" @ 2745')
8/16/83	2800	Day-49 (0') - Rig repair.	(8-5/8" @ 2745')
8/17/83	2800	Day-50 (0') - 24 hrs rig repair.	(8-5/8" @ 2745')
8/18/83	2899	Day-51 (99') - Drlg. Fin repairing derrick leg, RU floor & commenced drlg operation @ 1900 hrs, 8/17/83. Wsh & rm to btm, strt'd drlg & lost circ @ 2873'. Mixed & pmpd 30% LCM & established circ. Drld ahead to PD.	(8-5/8" @ 2745')
8/19/83	3270	Day-52 (371') - Drlg. MW: 8.5# Vis: 54 Pv/Yp: 21/9 Drld 7-7/8" hole to PD. Surveys: 6-1/4° @ 2954' & 3061'.	(8-5/8" @ 2745')
8/20-22	3351	Day-55 (81') - WOC on plug #4. MW: 8.5# Vis: 49 Pv/Yp: 18/9 Drld to 3281' & lost returns. Sptd 250 bbls LCM pill mixed @ 40-50% LCM pill w/o success. Drld to PD w/o returns & POH after freeing stuck pipe. FL in hole @ 1005'. RIH w/OE DP w/plug catcher, sptd 150 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite w/tail @ 3075'. No returns. POH. RIH & tagged TOC @ 3253'. PU w/tail @ 3075', pmpd another 150 sx Thixotropic cmt w/same additive. No returns. RIH w/bit, tagged TOC @ 3248', drld cmt to 3321' where encountered firm cmt w/o returns. Tagged FL @ 915'. Attempted plug #3 w/200 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal w/o success. Attempted plug #4 w/200 sx Thixotropic w/same additive as plug #3. WOC & tagged FL @ 900'.	(8-5/8" @ 2745')

3/4/83	2665	Day-37 (0') - Inspecting BHA. (10-3/4" @ 1484') MW: 8.3# (aerated) Vis: 26 Spt 250 BM over fsh. TOH. PU fshg tools & TIH. Wrk onto fsh & jar free. Chain out of hole & rec'd fsh. LD fshg tools & fsh. TIH w/DCs & inspect BHA.
8/5/83	2665	Day-38 (7-7/8"), 2170' (9-7/8") - Rmg hole to 9-7/8". (10-3/4" @ 1484') MW: 8.4# (aerated) Vis: 26 Fin inspect BHA. PU 9-7/8" bit, chg out BHA. TIH. Rmd 7-7/8" hole to 9-7/8". Lost returns @ 1637'. Rmd thru bridge. Cont'd rmg w/lime wtr & air.
8/6-8/83	2750	Day-41 (85', 0', 0') - TOH & LD BHA. (10-3/4" @ 1484') MW: 8.5# (aerated) Vis: 65 Rmd 7-7/8" hole to 9-7/8" hole to 2750', w/tite hole @ 2259'. Circ & unload hole & drop survey. TOH - SLM. TIH & hit bridge @ 1661'. Wsh & rm thru bridge. TIH & hit bridge @ 1848'. Wsh & CO hole to 2530'. Stuck pipe & lost 100% returns. Wrk stuck pipe & attempt circ w/aerated lime wtr. Wrkd pipe free, wsh & rmd to 2750'. Spt 270 bbls gel-mud. TOH w/B#6. Stuck pipe @ 2617' & wrkd free. TOH & LD BHA. Prep to PU jars & TIH. Survey: 6° @ 2709'.
8/9/83	2750	Day-42 (0') - Circ aerated mud @ 2422'. (10-3/4" @ 1484') MW: 8.5# (aerated) Vis: 33 Pv/Yp: 12/7 TIH, hit bridge @ 2462'. Unsuccessfully attempted to establish circ w/sml amt of returns: lost 1058 BM in 4 hrs. PU to 1904' & circ w/partial returns of WCM. Staged into hole by 3 stds to 2422' & hit bridge.
3/10/83	2750	Day-43 (0') - Circ & cond hole w/aerated mud. (10-3/4" @ 1484') MW: 8.4# Vis: 29 Pv/Yp: 12/6 Wshd & rmd to btm, and circ'g.
8/11/83	2750	Day-44 (0') - NU BOP. (8-5/8" @ 2745') Circ & cond hole & POH. Ran 67 jts 8-5/8", 32#, K-55, STC csg. BJ cmt'd w/150 sx Lite + 2% CaCl ₂ + 1/4#/sx Celloflake, foll'd by 150 sx Cl "G" + 2% CaCl ₂ + 1/4#/sx Celloflake w/o returns. WOC f/10 hrs & set slips w/70M# tension.

7/27/83	2330	Day-29 (39') - TIH & unloading wtr. (10-3/4" @ 1484') MW: 8.2# (aerated) Vis: 34 Pv/Yp: 8/3 Cont'd TIH. Plugged bit & TOH - wet. TIH. Brk circ w/no returns. Drld to PD w/no returns. POH w/13 stds & well strt'd flwg. Blew flwline apart due to plugged w/plastic sx. Unplug & repair flwline. TIH unloading wtr w/air.
7/28/83	2665	Day-30 (335') - Stuck & wrkg pipe. (10-3/4" @ 1484') MW: 8.2# (aerated) Vis: 26 FIH unloading wtr. Drld w/aerated mud to PD w/wtr flw @ 10 BPM decr'd to 5 BPM. Run survey & DP stuck - no returns. Wrk DP 70' off btm & stuck. Survey: 5-1/2° @ 2665'.
7/29/83	2665	Day-31 (0') - Fishing. (10-3/4" @ 1484') No mud properties WO Dialog. Mix & spt 40 bbls diesel w/2 bbls "Pipe-Free". RU Dialog. Run free pt, found pipe stuck @ 2476'. Backoff string @ 2420'. RD Dialog. TOF @ 2420', length 158.11', 6-1/2" DC looking up. LD single, mix & spt 42 bbls diesel w/2 bbls "Pipe-Free". TOH SLM. MU fshg tools. TIH & circ f/fshg.
7/30-8/1/83	2665	Day-34 (0') - CO & cond hole above fish. (10-3/4" @ 1484') MW: 8.3# (aerated) Vis: 26 Attempt to screw into fish @ 2420' - no success. TOH & chg out fshg tools. TIH & plugged string. RU Dialog & attempt to unplug - no success. TOH & CO fsg tools. TIH w/fshg tools, wsh & rm to TOF. Attempt to get over fish - no success. Circ & cond hole. TOH & chg out fshg tools. TIH & wsh to TOF. No success & TOH. MU OS w/wall hook & knuckle jt & TIH. Wsh & rm bridge @ 2240' - hole tite. TOH & LD fshg tools. TIH w/B#4 (RR) to cond hole. Wrkd hole to CO & TOH to unplug bit. TIH & CO & cond hole to 1965'.
8/2/83	2665	Day-35 (0') - CO & cond hole above fish. (10-3/4" @ 1484') MW: 8.3# (aerated) Vis: 26 Pv/Yp: 1/1 Cont'd CO hole above fish w/lime wtr & air. Hvy LCM bridge @ 2345'. CO to 2360'.
3/3/83	2665	Day-36 (0') - Spt mud over fish. (10-3/4" @ 1484') MW: 8.2# (aerated) Vis: 26 Cont'd CO to TOF @ 2420'. TOH SLM - corr'd depth of CO to 2477'. TIH. Circ & attempt to loc fish. Circ & spt mud.

7/19/83 1863 Day-21 (0') - Wshg to btm. (10-3/4" @ 1484')
MW: 8.4# Vis: 46 Pv/Yp: 24/18
Wsh & CO LCM 805-1295'. Lost 50 BM. TOH w/bit. Pmp 100 BM w/40% LCM, dmpd 60 sx sawdust while pmpg. TIH & CO bridge @ 1543', lost returns. Wsh 1543-1863' w/no returns, lost 150 BM. TOH. Pmpd 200 BM w/40% LCM, dmpd 65 sx sawdust while pmpg. Hole full & losing mud. TIH to 1480', hole stdg full. Circ @ 1480' w/mud & 60% LCM. TIH wshg to btm.

7/20/83 1970 Day-22 (107') - Wrkg on Pump #2. (10-3/4" @ 1484')
MW: 8.8# Vis: 85 Pv/Yp: 35/30
Cont wsh & rm to btm. Drld to 1946'. TOH f/new BHA. TIH & wsh & rm 1863-1946'. Drld to PD. Wrkg on Pump #2. Last 24 hrs lost Pump #1 (still dn) & had several shutdns f/repairs to Pump #2.

7/21/83 2080 Day-23 (110') - Drlg. (10-3/4" @ 1484')
MW: 8.9# Vis: 83 Pv/Yp: 36/33
Drld to PD & circ samples @ 1980' & PD. Survey: 3/4° @ 1988'.

7/22/83 2265 Day-24 (185') - Circ samples @ 2265'. (10-3/4" @ 1484')
MW: 8.7# Vis: 52 Pv/Yp: 24/18
Drld to PD. Circ samples @ 2085', 2097', 2233' & 2265'.

7/23-25/83 2291 Day-27 (18', 0', 8') - Mix gel & LCM & bldg mud vol. (10-3/4" @ 1484')
Bldg mud f/lost circ.
Drld to 2280' & lost returns. Mix & pmp LCM mud, drld add'l 3' while pmpg. POH & cont'd mix & pmp LCM mud f/top w/no returns. RIH w/B#5, circ w/partial returns, then lost returns. POH. Cont'd mix & pmp LCM mud until hole full. RIH & hit bridge @ 2100'. Drld bridge & lost returns. POH, mix & pmp LCM mud until hole full. RIH & lost returns 3 stds off btm. Drop survey & POH. Survey misrun. Cont'd mix & pmp LCM mud w/no returns.

7/26/83 2291 Day-28 (0') - RU aerated drlg equip. (10-3/4" @ 1484')
MW: 8.6# Vis: 74 Pv/Yp: 36/29
Cont'd bldg mud vol w/60% LCM. TOH - wet. Pmp LCM mud f/top. TIH w/B#5 (RR) & pmp 50 bbls w/no returns. TOH. Pmp LCM mud f/top. TIH w/B#5 (RR). Attempt pmp plastic sx f/LCM - floated out & plugged flwline. RU gas buster. Cont'd TIH & retr'd plastic sx. Air compress equip on loc.

7/9-11/83
1493 Day-13 (0') - Tstg BOP. (10-3/4" @ 1484')
MW: 9.1# Vis: 41 Pv/Yp: 17/12
Circ & cond hole. POH. Ran 36 jts 10-3/4", 40.5#, K-55, ST&C csg. Landed @ 1484'. Cntd w/510 sx 50/50 Poz w/add & 810 sx 75/25 Poz w/add. Full returns w/cmt to surf. WOC. Cut off csg & weld on bradenhd. NU & tst BOP.

7/12/83 1493 Day-14 (0') - TIH to drl cmt. (10-3/4" @ 1484')
MW: 8.4# (Reserve pit wtr)
Tstd BOPs to 3000 psi & Hydril to 2000 psi. TIH w/BHA.

7/13/83 1504 Day-15 (11') - TIH w/CB. (10-3/4" @ 1484')
MW: 8.5# Vis: 42 Pv/Yp: 12/7
FIH w/bit & BHA. Tstd csg to 1000 psi. Drld FC & cmt to 1474'. Circ hole cln & re-tstd csg to 1000 psi. Drld shoe & 11' new fm by erroneous over-strapping. Circ hole cln & POH. MU 60' CBs & RIH.

7/14/83 1518 Day-16 (14') - WO circ sub. (10-3/4" @ 1484')
MW: 8.5# Vis: 46 Pv/Yp: 12/11
FIH w/CB, cored 1504-1510' & CB jammed. POH & rec'd 4.3' core. TIH w/CB#2, cored to 1518' & CB jammed again. POH & rec'd total 8' core. LD CB & RU Johnston-Macco f/DST #1.

7/15/83 1518 Day-17 (0') - TOH to run DST #2 (re-run) (10-3/4" @ 1484')
MW: 8.5# Vis: 42 Pv/Yp: 12/7
RIH w/Johnston-Maaco DST, unable to set pkr @ btm of csg & set @ 1428' (90' rathole). Ran DST #1 & rec'd mud only. RIH w/bit, circ & cond hole & POH to re-run DST.

7/16-18/83
1863 Day-20 (345') - Wsh & CO LCM @ 805'. (10-3/4" @ 1484')
MW: 8.5# Vis: 40 Pv/Yp: 12/8
FOH & PU DST tools. TIH f/DST #2 (Cedar Mesa 1484-1518'), set pkr @ 1474'. Run DST #2 & rec'd 455' sli WCDM; Smpl Chmbr rec'd 2000 cc WCDM. TOH & LD DST tools. PU CB & TIH f/Core #3. Cored 1518-1524' & CB jammed. POH & rec'd 5' core. TIH w/B#4. Tstd fm to 120 psi f/30 min w/BOPs closed. Drld to 1857' & lost returns. Mix & pmp LCM pills while drlg 1857-1863' w/no returns. Plugged bit & TOH wet. Pmpd 50 BM w/45% LCM while dmpg sawdust @ surf. Hole plugged off. TIH to wsh & CO mud & LCM. Surveys: 3/4° @ 1597', 1° @ 1690'.

6/25-27/83
Day -1. MIRU Olsen Rig #2. RU Geoservice mud loggers. Est spud approx 1200 hrs 6/27/83 - WO parts f/mud system. 10-3/4" csg & access on loc.

6/28/83
Day -2. Fin RU rig & build spud mud. Chgd out celler motor.

6/29/83 140
Day-1 (140') - Rng survey.
MW: 8.9# Vis: 40
SPUD 0430 hrs 6/28/83 & drld 14-3/4" hole to PD. Planning to opn 14-3/4" hole to 20" to 110' & set conductor. GL Elev = 6380' & KB Elev = 14.90'.

6/30/83 140
Day-2 (14-3/4" hole) HO: 110' (110') - Circ & cond hole f/csg.
MW: 9.8# Vis: 45
Opnd 14-3/4" hole to 110', circ & cond hole to run 16" conductor.

TIGHT HOLE STATUS

7/1/83 140
Day-3. (14-3/4" hole) HO: 110' (110') - NU Hydril. (16" @ 108')
MW: Spud Mud
POH to run 16" conductor. Ran 3 jts 16", 65#/ft, H-40, PE to 108' RKB & Dowell cmtd w/165 sx Cl "B" + 2% CaCl₂ + 3% salt. No cmt to surf. Tagged TOC @ 30' GL outside the conductor & performed top job w/100 sx Cl "B" + 2% CaCl₂. WOC 6 hrs. Cut off 16" csg & NU Hydril.

7/2-5/83 1096
Day-7 (956') - Drlg. (16" @ 108')
MW: 9# Vis: 44 Pv/Yp: 10/25
NU Hydril. TIH to tag cmt @ 104'. Attempt press tst Hydril diverter. Est circ up into cellar. Spt 100 sx cmt in 16". Sqz shoe, held 500 psi on cmt f/30 min. WOC. Csg & Hydril held 500 psi. Drld cmt & fm to 143'. Had circ back into cellar. RU cellar pmp. Drld w/partial returns to cellar to 180'. Drld 180' to PD. No lost returns to cellar. Surveys: 3/4° @ 175', 1/4° @ 263', 1/2° @ 311', 1/8° @ 408', 1/2° @ 594', 0° @ 719', 1/8° @ 813', 1/4° @ 907', 1/2° @ 1001'.

7/6/83 1443
Day-8 (347') - Drlg. (16" @ 108')
MW: 9.3# Vis: 46 Pv/Yp: 15/7
Drld & surveyed to PD. Still in Volcanics. Surveys: 1/2° @ 1095', 0° @ 1189', 1/8° @ 1280', 3/4° @ 1373'.

OCT 12 1936

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

ALLEN FEE #1 WELL
SW SW Section 3-31S-2W
Garfield County, Utha

CORE #1 1510' - 1504' Cored 7', recovered 4.3'

CORE #2 1518' - 1510' Cored 8', recovered 8'

CORE #3 1524' - 1518' Cored 6', recovered 5'

DRILL STEM #1 1484'-1518' 44' Recovered 452' drilling mud
IHH 650 psi; IF 32-105 psi; ISI 255 psi;
FF 105-229 psi; FSI 248 psi; FHH no P;
BHT 120°; depth 1430'

DRILL STEM #2 1484'-1518' 44' Recovered 455' H₂O cut drilling mud
IHH 653 psi; IF 22-70 psi; ISI 281² psi;
FF 71-268 psi; FSI 273 psi; FHH 643 psi;
BHT 120°; depth 1476'

PLUGGED AND ABANDONED AS FOLLOWS:

Plug #1	7000'-6900'	50	sx	Class "H"	cement
Plug #2	5500'-5300'	80	sx	Class "H"	cement
Plug #3	3400'-3200'	80	sx	Class "H"	cement
Plug #4	2800'-2700'	65	sx	Class "H"	cement
Plug #5	200'- 0'	60	sx	Class "H"	cement between 10-3/4" x 8-5/8"
Plug #6	100'- 0'	50	sx	Class "H"	cement

January 10, 1985

To Whom it May Concern:

ARCO Oil and Gas Company has completed the reclamation of the drillsite pad and access road for their Allen Fee #1 well to my satisfaction. This well was located in the SW/4, Section 3, T31S-R2W, Garfield County, Utah.

Having the surface ownership of this land, I forever release ARCO Oil and Gas Company from any future rehabilitation and/or maintenance of this land, and concur they have fulfilled all agreements with me regarding this reclamation.

Sincerely,

A handwritten signature in cursive script that reads "Phil Allen".

Phil Allen
Antimony, Utah 84712

ARCO Oil and Gas Company
Rocky Mountain District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000



RECEIVED
JAN 23 1985

January 18, 1985

DIVISION OF
OIL, GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Monthly Report of Operations
Well No. 1 Allen Fee
SW SW Sec.3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate is the Monthly Report of
Operations for the month of December,
1984, on the subject well.

This well was spudded on June 28, 1983 as a
"Tight Hole". This report is for your information.

Very truly yours,

B. R. Still

B. R. Still
Supervisor, Operations Info. Group

BRS:af

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 3160-6
(November 1983)
(Formerly 9-329)

MONTHLY REPORT
OF
OPERATIONS

Lease No. _____
Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Garfield State UT
Operator Atlantic Richfield Company
☐ Amended Report (Allen Fee #1)

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396d), regulation (43 CFR 3162.4-3), and the terms of the lease. Failure to report can result in the assessment of liquidated damages, (43 CFR 3160), penalties, shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (43 CFR 3160).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 3 SW SW	T31S	R2W		0	0	0	0	Well spudded 6/28/83. P&A 9/23/83. FINAL REPORT- Reclamation work has been completed and location is now ready for inspection. (See attached letter January 10, 1985)

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: B. R. Still

Address: P.O. Box 5540, Denver, CO 80217.

Title: Supervisor, Operations Info. Group

Page 1 of 1